

| CONTROL LAB. CLEVELAND, OH. DATE 1-26-54 |                            |           |           | NAME S W P Westchester Gray                |  | CARD NO. 19 |  |
|------------------------------------------|----------------------------|-----------|-----------|--------------------------------------------|--|-------------|--|
| POUNDS                                   | GALLONS                    | NEW MAT'L | OLD MAT'L | CUSTOMER Sherwin-Williams Co. <i>cr</i>    |  |             |  |
| 175                                      | 7.8                        | 6223      | 2304      | MFG. INSTR.                                |  |             |  |
| 165                                      | 3.4                        | 6840      | 412       |                                            |  |             |  |
| 165                                      | 3.5                        | 6822      | 1124      |                                            |  |             |  |
| 54                                       | 1.5                        | 6630      | 2174      |                                            |  |             |  |
| 1                                        | .1                         | 7055      | 2070      |                                            |  |             |  |
| 14                                       | 2                          | BI 72     | BI 72     |                                            |  |             |  |
| ?                                        | BB 10, BL 44, BO 20, BY 40 |           |           |                                            |  |             |  |
| 232                                      | 30                         | (1521)    | (2 )      | WT./GAL. T 11.69                           |  |             |  |
| 13                                       | 1 3/4                      | (902 )    | (4230)    | GRIND 4H                                   |  |             |  |
| 66                                       | 10                         | (151 )    | (5027)    | OUTPUT 100                                 |  |             |  |
|                                          |                            |           |           | MFG. LOSS 2%                               |  |             |  |
|                                          |                            |           |           | STOR. LOSS                                 |  |             |  |
| 140                                      | 18                         | (2541)    | (2541)    | SOLIDS                                     |  |             |  |
| 62                                       | 8                          | (1521)    | (2 )      | PARALLELS                                  |  |             |  |
| 11                                       | 1 1/2                      | (841 )    | (2235)    | None                                       |  |             |  |
| 7                                        | 1                          | (948 )    | (543 )    | REASON FOR REVISION To show use of         |  |             |  |
| 7                                        | 1                          | (1083)    | (1767)    | BI 72 BentoneBase for viscosity            |  |             |  |
| 84                                       | 12 3/4                     | (151 )    | (5027)    | stability per O. R. J.'s Letter            |  |             |  |
|                                          |                            |           |           | of 1-26-54.                                |  |             |  |
|                                          |                            |           |           | FORMULA <i>W. H. Thomas</i> SUB <i>876</i> |  |             |  |

0007-SWP-062233

|                                                   |  |                   |                 |
|---------------------------------------------------|--|-------------------|-----------------|
| TO MATCH: Neutral Oil Standard #39                |  | REX. NO. 177      | 3-4-54          |
| APPLICATION: SURFACE Wood Ext.                    |  | CARD NO. 19       | 19              |
| NO. COATS 013                                     |  | DATE 2-22-54      | Quality Control |
| UNDERCOATER USED Rx 150                           |  | Reductant         | SLIP NO.        |
| METHOD 1 Brush                                    |  | Reducer           | AMOUNT          |
| REDUCTION: AMOUNT                                 |  | Reducer Used      |                 |
| METHOD 2                                          |  |                   |                 |
| REDUCTION: AMOUNT                                 |  |                   |                 |
| REDUCER USED                                      |  |                   |                 |
| DRYING TIME: TOUCH 9-12 HRS COAT 2-4 DAYS STENCIL |  | FORMULA           | SPEC. CARD      |
| HARD SAND HANDLE                                  |  | EXEC. COST DEPT.  |                 |
| TACK FREE RUB WRAP                                |  | CLEVELAND A       | 3-4-54          |
| BAKING TIME AND TEMP.                             |  | KENSINGTON O      |                 |
| GLOSS 0-1 FILM                                    |  | PAINT RESEARCH    |                 |
| SPECIAL TESTS                                     |  | KENS. TECH. SERV. |                 |
|                                                   |  | KENS. LACQUER     |                 |
|                                                   |  | NEWARK N          | 3-4-54          |
|                                                   |  | OAKLAND O         |                 |
|                                                   |  | M. SENOUR M       | 3-4-54          |
|                                                   |  | DETROIT D         |                 |
|                                                   |  | LOS ANGELES F     |                 |
|                                                   |  | DALLAS T          |                 |
|                                                   |  | DAYTON I          |                 |
|                                                   |  | GIBBSBORO F       |                 |
|                                                   |  | EXEC. MFG.        |                 |
|                                                   |  | CUBA H            |                 |
|                                                   |  | MONTREAL G        |                 |
|                                                   |  | BUENOS AIRES Z    |                 |
|                                                   |  | BRAZIL S          |                 |
|                                                   |  | REG ADM           |                 |
|                                                   |  | MEXICO            |                 |

Phillips 3-4-54

0007-SWP-062234

# FORMULA RECORD

CONTROL LAB. Cleveland T. S.

DATE 12-8-53

REX. NO.

477

AGE

NAME S W P Westchester Gray

CARD NO.

78

| POUNDS | GALLONS | NEW MAT'L | OLD MAT'L |
|--------|---------|-----------|-----------|
| 175    | 7.8     | 6223      | 2304      |
| 165    | 3.4     | 6840      | 112       |
| 165    | 3.5     | 6822      | 1124      |
| 54     | 1.5     | 6630      | 2174      |
| 4      | .3      | 6244      | 6244      |
| 2(10)  | 1.2     | BR 10     | BR 10     |
| 2      | BL 1/4  | BO 20     | BY 40     |
| 232    | 30      | (1521)    | (2)       |
| 13     | 1 3/4   | (902)     | (1230)    |
| 66     | 10      | (151)     | (5027)    |
| 140    | 18      | (2544)    | (2544)    |
| 62     | 8       | (1521)    | (2)       |
| 11     | 1 1/2   | (841)     | (2235)    |
| 7      | 1       | (948)     | (543)     |
| 7      | 1       | (1083)    | (1767)    |
| 89     | 13 1/2  | (151)     | (5027)    |

CUSTOMER S W Co.

MFG. INSTR.

WT./GAL. T 11.7

GRIND 4H

OUTPUT 100

MFG. LOSS 2%

STOR. LOSS

SOLIDS

PARALLELS

No Parallel

REASON FOR REVISION To reduce flow & flashing per Otto Jagd letter of 10-7-53

FORMULATOR

VISC. 28- 2 sec. 173

VISC. On #3 Cup

BLEED

DEPT.

PKG. 10 hrs Balling

DATE HR.

FLASH PT. 100-1 LABEL ANALYSIS H

ROYALTY: YES ☐; NO ☐; X ☐; W ☐

0007-SWP-062235



# FORMULA RECORD

A135

CONTROL LAB Gibbsboro

DATE 12-8-53

REC. NO. 477

NAME SWP Westchester Gray

CARD NO. 17 A135 F-2

| POUNDS | GALLONS | NEW MAT'L | OLD MAT'L | CUSTOMER                                                                                                                |
|--------|---------|-----------|-----------|-------------------------------------------------------------------------------------------------------------------------|
| 150    | 6.73    | 62 F 2    | 62 F 2    | S. W. Co.                                                                                                               |
| 155    | 3.4     | 6840      | 412       | MFG. INSTR.                                                                                                             |
| 155    | 3.5     | 6822      | 1424      | *Hold out 2 gallons (145)                                                                                               |
| 54     | 1.54    | 6630      | 2174      | per 100 gallons.                                                                                                        |
| 1 1/2  | .1      | 7055      | 2070      |                                                                                                                         |
| ?      |         | BB 10     | BB 10     |                                                                                                                         |
| ?      |         | BO 30     | BO 30     | WT./GAL T 11.53                                                                                                         |
| ?      |         | BO 31     | BO 31     | VISC 28-32" @ 75 deg.F                                                                                                  |
| 4      | 1/2     | (1960)    | (5094)    | GRIND 3H                                                                                                                |
| 13     | 1 3/4   | (902)     | (4230)    | OUTPUT 100                                                                                                              |
| 101    | 13      | (25 A 4)  | (25 A 4)  | MFG. LOSS 2%                                                                                                            |
| 55     | 7       | (1521)    | (2)       | DEPT. PKG.                                                                                                              |
| 40     | 6       | (115)     | (348)     | STOR. LOSS                                                                                                              |
| 301    | 13      | (25 A 4)  | (25 A 4)  | CHIT Roller LINING                                                                                                      |
| 195    | 25 1/4  | (1521)    | (2)       | SOLIDS                                                                                                                  |
| 7      | 1       | (948)     | (543)     | FLASH FT.                                                                                                               |
| 7      | 1       | (1954)    | (5026)    | ROYALTY: YES <input type="checkbox"/> NO <input type="checkbox"/> X <input type="checkbox"/> W <input type="checkbox"/> |
| 27     | 4       | (155)     | (141)     | REASON FOR REVISION                                                                                                     |
| * 90   | 13 3/4  | (115)     | (348)     | To increase viscosity by using                                                                                          |
|        |         |           |           | 62 F 2 in place of 312.                                                                                                 |

0007-SWP-062237

TO MATCH N. O. Std. #89REX. NO. 477CARD NO. 17 Alt. F-2APPLICATION: SURFACE Exterior WoodDATE 12-8-53

NO. COATS

UNDERCOATER USED Rex 450METHOD 1 Brush

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 8-10 HRS. SAT 2-4 DAYS

HARD SAND HANDLE

TACK FREE RUB WRAP

TAKING TIME AND TEMP.

GLOSS Oil FILM Med. Hard & Elastic

SPECIAL TESTS

DATE

SLIP NO.

AMOUNT

FACTORY

FORMULA

SPEC. CARD

EXEC. COST DEPT.

CLEVELAND A

KENSINGTON C

PAINT RESEARCH

KENS. TECH. SERV.

KENS. LACQUER

NEWARK N

OAKLAND O

H. SENOUR M

DETROIT D

LOS ANGELES P

DALLAS T

DAYTON L

GIBBSBORO F

EXEC. MFG.

CUBA H

MONTREAL G

BUENOS AIRES Z

BRAZIL S

REG. ADM.

NEWARK

0007-SWP-062238

| FORMULA RECORD                     |         |                     | 6                                                                                            |
|------------------------------------|---------|---------------------|----------------------------------------------------------------------------------------------|
| CONTROL LAB <u>Cleveland T. S.</u> |         | DATE <u>3-25-53</u> | REV. NO. <u>177</u>                                                                          |
| NAME <u>S W P Westchester Gray</u> |         | CARD NO. <u>17</u>  |                                                                                              |
| POUNDS                             | GALLONS | MATERIAL NO.        | CUSTOMER <u>Sherwin-Williams Co.</u>                                                         |
| 150                                | 6.3     | 312                 | MFG. INSTR.                                                                                  |
| 165                                | 3.4     | 412 or 413          |                                                                                              |
| 165                                | 3.5     | 1424                |                                                                                              |
| 54                                 | 1.5     | 2174                |                                                                                              |
| 1 1/2                              | .1      | 2070                |                                                                                              |
| ?                                  |         | BB 10               |                                                                                              |
| ?                                  |         | BO 30               | WT./GAL <u>1 lb. 57</u>                                                                      |
| ?                                  |         | BO 31               | GRIND <u>3H</u>                                                                              |
| 4                                  | 1/2     | (5094)              | OUTPUT <u>100</u>                                                                            |
| 13                                 | 1 3/4   | (4230)              | MFG. LOSS <u>2%</u>                                                                          |
| 155                                | 20      | (2)                 | STOR. LOSS                                                                                   |
| 59                                 | 9       | (348)               | DEPT. <u>Ball-12hrs</u>                                                                      |
|                                    |         |                     | PKG.                                                                                         |
|                                    |         |                     | BLEED                                                                                        |
|                                    |         |                     | DEPT.                                                                                        |
|                                    |         |                     | PKG.                                                                                         |
|                                    |         |                     | WILL                                                                                         |
|                                    |         |                     | DATE/HR.                                                                                     |
|                                    |         |                     | LABEL ANALYSIS <u>C</u>                                                                      |
|                                    |         |                     | LABEL NO. RED <u>RED</u>                                                                     |
|                                    |         |                     | ROYALTY: YES <input type="checkbox"/> NO <input type="checkbox"/> W <input type="checkbox"/> |
|                                    |         |                     | REASON FOR REVISION <u>Replacing one gallon</u>                                              |
|                                    |         |                     | (348) with (5026).                                                                           |
|                                    |         |                     | FORMULATOR <u>D. J. Thompson</u>                                                             |
|                                    |         |                     | SUPT. <u>D. J. Thompson</u>                                                                  |

|                                                                         |  |  |                             |
|-------------------------------------------------------------------------|--|--|-----------------------------|
| TO MATCH <u>Neutral Oil Std. #89</u>                                    |  |  | REX. NO. <u>477</u>         |
| APPLICATION: SURFACE <u>Ext. Wood</u>                                   |  |  | CARD NO. <u>17</u>          |
| NO. COATS <u>one</u>                                                    |  |  | DATE <u>3-25-53</u>         |
| UNDERCOATER USED <u>Ex 1450</u>                                         |  |  | DATE <u>3-25-53</u>         |
| METHOD 1 <u>Brush</u>                                                   |  |  | SLIP NO. <u>3-27-53</u>     |
| REDUCTION: AMOUNT _____ REDUCER USED _____                              |  |  | AMOUNT <u>11</u>            |
| METHOD 2 _____                                                          |  |  | AMOUNT <u>11</u>            |
| REDUCTION: AMOUNT _____ REDUCER USED _____                              |  |  | AMOUNT <u>11</u>            |
| DRYING TIME: TOUCH <u>8-10 hrs</u> RECOAT <u>2-4 days</u> STENCIL _____ |  |  | FACTORY <u>1</u>            |
| HARD _____ SAND _____ HANDLE _____                                      |  |  | FORMULA <u>3</u>            |
| TACK FREE _____ RUB _____ WRAP _____                                    |  |  | SPEC. CARD _____            |
| BAKING TIME AND TEMP. _____                                             |  |  | EXEC. COST DEPT. <u>11</u>  |
| GLOSS <u>Oil</u> _____ FILM <u>Med. Hard &amp; Elastic</u>              |  |  | CLEVELAND <u>11</u>         |
| SPECIAL TESTS _____                                                     |  |  | KENSINGTON <u>11</u>        |
|                                                                         |  |  | PAINT RESEARCH <u>11</u>    |
|                                                                         |  |  | KENS. TECH. SERV. <u>11</u> |
|                                                                         |  |  | KENS. LACQUER <u>11</u>     |
|                                                                         |  |  | NEWARK <u>11</u>            |
|                                                                         |  |  | OAKLAND <u>11</u>           |
|                                                                         |  |  | M. SENOUR <u>11</u>         |
|                                                                         |  |  | DETROIT <u>11</u>           |
|                                                                         |  |  | LOS ANGELES <u>11</u>       |
|                                                                         |  |  | DALLAS <u>11</u>            |
|                                                                         |  |  | DAYTON <u>11</u>            |
|                                                                         |  |  | GIBBSBORO <u>11</u>         |
|                                                                         |  |  | EXEC. MFG. <u>11</u>        |
|                                                                         |  |  | CUBA <u>11</u>              |
|                                                                         |  |  | MONTREAL <u>11</u>          |
|                                                                         |  |  | BUENOS AIRES <u>11</u>      |
|                                                                         |  |  | BRAZIL <u>11</u>            |
|                                                                         |  |  | RES ADM <u>11</u>           |
|                                                                         |  |  | MEXICO <u>11</u>            |

*Photo 10-53 Phil 8-5-53*

# FORMULA RECORD

AISS

CONTROL LAB Oakland #18

DATE 10-23-53

REX NO. 477

NAME S.W.P. Westchester Gray

CARD NO. 17 Alt Y-1

| PC INDS | GALLONS | NEW MAT'L           | OLD MAT'L | CUSTOMER            | S. W. Co.                                                                                                               |
|---------|---------|---------------------|-----------|---------------------|-------------------------------------------------------------------------------------------------------------------------|
| 150     | 6.3     | 6232                | 312       | MFG. INSTR.         |                                                                                                                         |
| 165     | 3.4     | 6840 or             | 412 or    |                     |                                                                                                                         |
|         |         | 6842                | 413       |                     |                                                                                                                         |
| 165     | 3.5     | 6822                | 1424      |                     |                                                                                                                         |
| 54      | 1.5     | 6630                | 2174      |                     |                                                                                                                         |
| 1-1/2   | .1      | 7055                | 2070      |                     |                                                                                                                         |
| 4       | 1/2     | (1960)              | (5094)    | WT./GAL 11.57       | VISC 28-32" at 75°F                                                                                                     |
| 13      | 1-3/4   | (902)               | (4230)    | GRIND 3H            | VISC #3 S.W.                                                                                                            |
| 155     | 20      | (1521)              | (2)       | OUTPUT 100          | BLEED                                                                                                                   |
| 59      | 9       | (145)               | (348)     | MFG. LOSS 2%        | DEPT. PKG                                                                                                               |
|         |         |                     |           | STOR. LOSS          | MILL Ball 12 BEARING                                                                                                    |
| 163     | 20-1/2  | (25-C-5)            | (25-C-5)  | SOLIDS              | RATE/HR. LABEL ANALYSIS                                                                                                 |
| 95      | 12-1/4  | (1521)              | (2)       | PARALLELS           | FLASH PT. LABEL NO REDE, REDE                                                                                           |
| 7       | 1       | (948)               | (543)     |                     | ROYALTY: YES <input type="checkbox"/> NO <input type="checkbox"/> X <input type="checkbox"/> W <input type="checkbox"/> |
| 7       | 1       | (1954)              | (5026)    | REASON FOR REVISION | To use 100% (25-C-5)                                                                                                    |
| 142     | 21-1/2  | (145)               | (348)     |                     | to replace 30% (25-A-4) and                                                                                             |
|         |         |                     |           |                     | reduce flow.                                                                                                            |
| ?       |         | BD-10, BO-10, BO-31 |           | FORMULATOR          | SUPT                                                                                                                    |

0007-SWP-062241

|                                                   |  |                     |            |
|---------------------------------------------------|--|---------------------|------------|
| H.O. #69                                          |  | REL NO. 477         |            |
| APPLICATION: SURFACE Ext. Wood                    |  | CARD NO. 17 Alt Y-1 |            |
| NO. COATS One                                     |  | DATE 10-23-53       |            |
| UNDERCOATER USED 450                              |  | DATE                | SLIP NO. # |
| METHOD 1 Brush                                    |  |                     |            |
| REDUCTION: AMOUNT REDUCER USED                    |  |                     |            |
| METHOD 2                                          |  |                     |            |
| REDUCTION: AMOUNT REDUCER USED                    |  |                     |            |
| Drying Time: TOUCH 8-10 hr RECOAT 24 days STENCIL |  | FACTORY             | FORMULA    |
| HARD SAND HANDLE                                  |  | EXEC. COST DEPT.    | SPEC. CARD |
| TACK FREE RUB WRAP                                |  | CLEVELAND A         |            |
| Baking Time and Temp.                             |  | KENSINGTON C        |            |
| Gloss Oil FILM Med. hard & elast.                 |  | PAINT RESEARCH      |            |
| SPECIAL TESTS                                     |  | KENS. TECH. SERV.   |            |
|                                                   |  | KENS. LACQUER       |            |
|                                                   |  | NEWARK N            |            |
|                                                   |  | OAKLAND O           |            |
|                                                   |  | M. SENOUR M         |            |
|                                                   |  | DETROIT D           |            |
|                                                   |  | LOS ANGELES P       |            |
|                                                   |  | DALLAS T            |            |
|                                                   |  | DAYTON I            |            |
|                                                   |  | GIBBSBORO F         |            |
|                                                   |  | EXEC. MFG           |            |
|                                                   |  | CUBA H              |            |
|                                                   |  | MONTREAL G          |            |
|                                                   |  | BUENOS AIRES Z      |            |
|                                                   |  | BRAZIL S            |            |
|                                                   |  | RES ADM             |            |
|                                                   |  | MEXICO              |            |

0007-SWP-062242

| FORMULA RECORD 6            |         |              | CONTROL LAB Cleveland T. S.                                                    |  | DATE 3-6-53 | REX. NO. 477 | CARD NO. 16 |
|-----------------------------|---------|--------------|--------------------------------------------------------------------------------|--|-------------|--------------|-------------|
| NAME S W P Westchester Gray |         |              | CUSTOMER Sherwin-Williams Co.                                                  |  |             |              |             |
| POUNDS                      | GALLONS | MATERIAL NO. | TO MATCH Neutral Oil Standard #89                                              |  |             |              |             |
| 150                         | 6.3     | 312 or 6230  | REASON FOR REVISION Increasing grind to 3H and eliminating use of (4066).      |  |             |              |             |
| 165                         | 3.4     | 412 or 413   |                                                                                |  |             |              |             |
| 165                         | 3.5     | 1424         |                                                                                |  |             |              |             |
| 54                          | 1.5     | 2174         |                                                                                |  |             |              |             |
| 1 1/2                       | .1      | 2070         |                                                                                |  |             |              |             |
| ?                           | BB 10.  | BO 30. BO 31 |                                                                                |  |             |              |             |
| 4                           | 1 1/2   | (5094)       | VISCOSITY 28-32" @ 75° F. AT 12 HRS. AFTER GRIND                               |  |             |              |             |
| 13                          | 1 3/4   | (4230)       | VISCOSITY on #3 cup AT 12 HRS. AFTER GRIND                                     |  |             |              |             |
| 155                         | 20      | (2 )         | % SOLIDS (RUN)                                                                 |  |             |              |             |
| 59                          | 9       | (348 )       | WT./GAL. T 11.56                                                               |  |             |              |             |
| 202                         | 26      | (25 44)      | NAME 450 3H                                                                    |  |             |              |             |
| 95                          | 12 1/4  | (2 )         | SYN. C. FINENESS 3H                                                            |  |             |              |             |
| 7                           | 1       | (513 )       | NORMAL OUTPUT 100 LBS. PER HOUR                                                |  |             |              |             |
| 27                          | 4       | (141 )       | EST. MFG. LOSS 2%                                                              |  |             |              |             |
| 81                          | 12 1/2  | (348 )       | DEPARTMENT                                                                     |  |             |              |             |
|                             |         |              | PACKAGE                                                                        |  |             |              |             |
|                             |         |              | PARALLEL NO.'S                                                                 |  |             |              |             |
|                             |         |              | No Parallel                                                                    |  |             |              |             |
|                             |         |              | ROYALTY YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> X  |  |             |              |             |
|                             |         |              | LABEL ANALYSIS CHECKED <input checked="" type="checkbox"/>                     |  |             |              |             |
|                             |         |              | LABEL NO. RED <input type="checkbox"/> RED <input checked="" type="checkbox"/> |  |             |              |             |
|                             |         |              | NEW STD. SAMPLE REQUIRED <input type="checkbox"/>                              |  |             |              |             |
|                             |         |              | MIN. BAL. 12 HRS. BLEED <input checked="" type="checkbox"/>                    |  |             |              |             |
|                             |         |              | APPROVED <i>[Signature]</i>                                                    |  |             |              |             |
|                             |         |              | FORMULATOR <i>[Signature]</i>                                                  |  |             |              |             |
|                             |         |              | SUG. 176                                                                       |  |             |              |             |

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Ext. Wood

NO. COATS 009

UNDERCOATER USED Rx 450

METHOD 1 Brush

REDUCTION: AMOUNT

REDUCER USED

METHOD 2

REDUCTION: AMOUNT

REDUCER USED

DRYING TIME: TOUCH 3-10 hrs COAT 2-4 days STENCIL

HARD

SAND

HANDLE

TACK FREE

RUB

WRAP

BAKING TIME AND TEMP.

GLOSS Oil

FILM Med. Hard & Elastic

SPECIAL TESTS

| Reg 477 3-11-53    |                    |                    |
|--------------------|--------------------|--------------------|
| DATE               | SLIP NO.           | AMOUNT             |
| <i>Handwritten</i> | <i>Handwritten</i> | <i>Handwritten</i> |
| <i>Handwritten</i> | <i>Handwritten</i> | <i>Handwritten</i> |
| <i>Handwritten</i> | <i>Handwritten</i> | <i>Handwritten</i> |
| <i>Handwritten</i> | <i>Handwritten</i> | <i>Handwritten</i> |
| <i>Handwritten</i> | <i>Handwritten</i> | <i>Handwritten</i> |
| <i>Handwritten</i> | <i>Handwritten</i> | <i>Handwritten</i> |
| <i>Handwritten</i> | <i>Handwritten</i> | <i>Handwritten</i> |
| <i>Handwritten</i> | <i>Handwritten</i> | <i>Handwritten</i> |
| FACTORY            | FORMULA            | SPEC. CARD         |
| EXEC. COST DEPT.   | "                  |                    |
| CLEVELAND A        | "                  |                    |
| KENSINGTON C       | "                  | 3-11-53            |
| ALLIED RESEARCH    | "                  |                    |
| KENS. TECH. SERV.  | "                  |                    |
| KENS. LACQUER      | "                  |                    |
| NEWARK N           | "                  | 3-11-53            |
| OAKLAND C          | "                  |                    |
| M. SEHOUR M        | "                  | 3-11-53            |
| DETROIT D          | "                  |                    |
| LOS ANGELES P      | "                  |                    |
| DALLAS T           | "                  |                    |
| DAYTON L           | "                  |                    |
| CINCINNATI F       | "                  |                    |
| EXEC. MFG.         | "                  |                    |
| CUBA H             | "                  |                    |
| MONTREAL G         | "                  |                    |
| BUENOS AIRES       | "                  |                    |
| BRAZIL S           | "                  |                    |
| RES ADM            | "                  |                    |
| MEXICO             | "                  |                    |

# FORMULA RECORD 6

CONTROL LAB Cleveland T.S.  
NAME S W P Westchester Gray

DATE 9-2-52

REV. NO. 477

CARD NO. 15 Alt.A

| POUNDS             | GALLONS | MATERIAL NO. | CUSTOMER                                       |
|--------------------|---------|--------------|------------------------------------------------|
| 150                | 6.3     | 6230 or 312  | Sherwin-Williams Co.                           |
| 165                | 3.4     | 412 or 413   | TO MATCH Neutral Oil Standard #89              |
| 165                | 3.5     | 1424         |                                                |
| 54                 | 1.5     | 2174 or 1004 | REASON FOR REVISION Retarding flow             |
| 1 1/2              | .1      | 2070 *       | by using (348) in place of (5027)              |
| ?                  | BB 10.  | BO 30, BO 31 | And set up for Ball Mill.                      |
| 4                  | 1/2     | (5094)       | VISCOSITY 28-32H @ 75° E AT 1 HRS. AFTER GRIND |
| 9                  | 1 3/4   | (4230)       | VISCOSITY on 7/2 AUD 1 HRS. AFTER GRIND        |
| 155                | 20      | (2)          | % SOLIDS (RUN) 100                             |
| 60                 | 9       | (348)        | WT./GAL T 11.57                                |
| 202                | 26      | (2544)       | STANDARD BLENDED 2H                            |
| 95                 | 12 1/4  | (2)          | NORMAL OUTPUT 100                              |
| 5                  | 1       | (543)        | EST. MFG. LOSS 2%                              |
| 27                 | 4       | (141)        | DEPARTMENT                                     |
| 86                 | 12 1/2  | (348)        | PACKAGE                                        |
| * Grind in 1st mix |         |              | PARALLEL NO.'S No Parallel                     |
|                    |         |              | FORMULATOR                                     |
|                    |         |              | SUPT. R. F. L.                                 |

0007-SWP-062245

# MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Ext. Wood

NO. COATS one

UNDERCOATER USED Rx 450

METHOD 1 Brush

REDUCTION: AMOUNT \_\_\_\_\_ REDUCER USED \_\_\_\_\_

METHOD 2 \_\_\_\_\_

REDUCTION: AMOUNT \_\_\_\_\_ REDUCER USED \_\_\_\_\_

DRYING TIME: TOUCH 8-10hrs RECOAT 2-4days STENCIL \_\_\_\_\_

HARD \_\_\_\_\_ SAND \_\_\_\_\_ HANDLE \_\_\_\_\_

TACK FREE \_\_\_\_\_ RUB 11 WRAP \_\_\_\_\_

BAKING TIME AND TEMP. \_\_\_\_\_

GLOSS Oil FILM Med. Hard Elastic

SPECIAL TESTS \_\_\_\_\_

Rex 477 Alt.A

| SHIP NO.          | AMOUNT    |                 |
|-------------------|-----------|-----------------|
| <u>10-14-52</u>   | <u>11</u> |                 |
| <u>10-14-52</u>   | <u>11</u> |                 |
| <u>10-14-52</u>   | <u>11</u> |                 |
| <u>10-14-52</u>   | <u>11</u> |                 |
| <u>10-14-52</u>   | <u>11</u> |                 |
| <u>10-14-52</u>   | <u>11</u> |                 |
| <u>10-14-52</u>   | <u>11</u> |                 |
| <u>10-14-52</u>   | <u>11</u> |                 |
| FACTORY           | FORMULA   | SPEC. CARD      |
| EXEC. COST DEPT.  | <u>11</u> |                 |
| CLEVELAND. A      | <u>11</u> |                 |
| KENSINGTON. C     | <u>11</u> | <u>10-14-52</u> |
| ALLIED RESEARCH   | <u>11</u> |                 |
| KENS. TECH. SERV. | <u>11</u> |                 |
| KENS. LACQUER     | <u>11</u> |                 |
| NEWARK. N         | <u>11</u> | <u>10-14-52</u> |
| OAKLAND. O        | <u>11</u> |                 |
| M. SENOUR. M      | <u>11</u> | <u>10-14-52</u> |
| DETROIT. D        | <u>11</u> |                 |
| LOS ANGELES. P    | <u>11</u> |                 |
| DALLAS. T         | <u>11</u> |                 |
| DAYTON. L         | <u>11</u> |                 |
| GIBBSBORO. F      | <u>11</u> |                 |
| EXEC. MFG.        | <u>11</u> |                 |
| CUBA. H           | <u>11</u> |                 |
| MONTREAL. G       | <u>11</u> |                 |
| BUENOS AIRES. Z   | <u>11</u> |                 |
| BRAZIL. S         | <u>11</u> |                 |
| RES ADM.          | <u>11</u> |                 |
| MEXICO.           | <u>11</u> |                 |

0007-SWP-062246

| CONTROL LAB                 |         |              | FORMULA RECORD 6                                                               |        |
|-----------------------------|---------|--------------|--------------------------------------------------------------------------------|--------|
| Cleveland T. S.             |         |              | DATE                                                                           | 5-8-52 |
| NAME S W P Westchester Gray |         |              | REX. NO.                                                                       | 477    |
|                             |         |              | CARD NO.                                                                       | 15     |
| POUNDS                      | GALLONS | MATERIAL NO. | CUSTOMER Sherwin-Williams Co. CR                                               |        |
| 150                         | 6.3     | 20 or 312    | TO MATCH Neutral Oil Standard #89                                              |        |
| 165                         | 3.4     | 412 or 413   | REASON FOR REVISION Replacing (25C5) with (25A4) @80% NVM for easier handling. |        |
| 165                         | 3.4     | 68C2 or 1424 |                                                                                |        |
|                             |         | 6828         |                                                                                |        |
| 54                          | 1.5     | 2174 or 1004 |                                                                                |        |
| 3                           | .2      | 2070 *       |                                                                                |        |
| ?                           | BB 10.  | BO 30, BO 31 | VISCOSITY 28-32" @75°F AT HRS. AFTER GRIND                                     |        |
| 4                           | 1/2     | (5094)       | VISCOSITY #3 cup AT HRS. AFTER GRIND                                           |        |
| 9                           | 1 1/4   | (4230)       | % SOLIDS (RUN)                                                                 |        |
| 101                         | 13      | (25 A4)      | WT./GAL 11.58                                                                  |        |
| 54                          | 7       | (2 )         | BAUME                                                                          |        |
| 40                          | 6       | (5027)       | STD. OF FINENESS 2H                                                            |        |
|                             |         |              | NORMAL OUTPUT 100                                                              |        |
| 101                         | 13      | (25 A4)      | EST. MFG. LOSS 2%                                                              |        |
| 195                         | 25 1/4  | (2 )         | DEPARTMENT                                                                     |        |
| 5                           | 3/4     | (543 )       | PACKAGE                                                                        |        |
| 27                          | 4       | (141 )       | PARALLEL NO.'S                                                                 |        |
| 108                         | 16 1/4  | (5027)       | No Parallel                                                                    |        |
| * Grind in 1st mix.         |         |              | FORMULATOR                                                                     |        |
|                             |         |              | Supt. SJC                                                                      |        |
|                             |         |              | DATE REC'D                                                                     |        |
|                             |         |              | MILL Roller BLEED?                                                             |        |
|                             |         |              | LBS. OR GALS. PER HOUR                                                         |        |
|                             |         |              | APPROVED                                                                       |        |

0007-SWP-062247

MANUFACTURING INSTRUCTIONS:

4 lbs. of (4066) may be used if  
desired, for grindaids.

1950-51 1892  
64588

APPLICATION: SURFACE Ext. Wood

NO. COATS ONE

UNDERCOATER USED Ex 450

METHOD 1 Brush

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 6-8hrs RECOAT 2-4days STENCIL

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Oil FILM Med. Hard & Elastic

SPECIAL TESTS

Rex 477

| DATE              | SLIP NO. | AMOUNT     |
|-------------------|----------|------------|
| 5-14-52           |          |            |
|                   |          |            |
|                   |          |            |
|                   |          |            |
|                   |          |            |
|                   |          |            |
|                   |          |            |
|                   |          |            |
|                   |          |            |
| FACTORY           | FORMULA  | SPEC. CARD |
| EXEC. COST DEPT.  | "        |            |
| CLEVELAND A       | "        |            |
| KENSINGTON C      | "        | 5-14-52    |
| ALLIED RESEARCH   | "        |            |
| KENS. TECH. SERV. | "        |            |
| KENS. LACQUER     | "        | 5-14-52    |
| NEWARK N          | "        |            |
| OAKLAND O         | "        |            |
| M. SENOUR M       | "        | 5-14-52    |
| DETROIT D         | "        |            |
| LOS ANGELES P     | "        |            |
| DALLAS T          | "        |            |
| DAYTON L          | "        |            |
| GIBBSBORO F       | "        |            |
| EXEC. MFG.        | "        |            |
| CUBA H            | "        |            |
| MONTREAL G        | "        |            |
| BUENOS AIRES Z    | "        |            |
| BRAZIL S          | "        |            |
| RES ADM           | "        |            |
| MEXICO            | "        |            |

0007-SWP-062248

# FORMULA RECORD 6

CONTROL LAB Cleveland T. S.

DATE 11-19-51

REV. NO.

477

NAME S W P Westchester Gray

CARD NO.

14

| POUNDS | GALLONS | MATERIAL NO. | CUSTOMER                                                                                                                                            |
|--------|---------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 150    | 6.3     | 20 or 312    | Sherwin-Williams Co. CR                                                                                                                             |
| 165    | 3.4     | 412 or 413   | TO MATCH Neutral Oil Standard #89                                                                                                                   |
| 165    | 3.5     | 1424 or 6828 | REASON FOR REVISION To improve flow and                                                                                                             |
| 54     | 1.5     | 2174 or 1004 | uniformity of gloss.                                                                                                                                |
| 3      | .2      | 2070 *       |                                                                                                                                                     |
| ?      |         | BB 10        |                                                                                                                                                     |
| ?      |         | BO 30        | VISCOSITY 28-32 75° F. HRS. AFTER GRIND                                                                                                             |
| ?      |         | BO 31        | VISCOSITY on #3 CUP HRS. AFTER GRIND                                                                                                                |
| 4      | 1/2     | (5094)       | % SOLIDS (RUN) ROYALTY: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> D: <input type="checkbox"/> W: <input type="checkbox"/> |
| 9      | 1 1/4   | (4230)       | LABEL ANALYSIS CHECKED                                                                                                                              |
| 80     | 10      | (25-C-5)     | LABEL: NO. RED <input checked="" type="checkbox"/> RED <input type="checkbox"/>                                                                     |
| 54     | 7       | (2)          | STD. OF FINENESS 2H NEW STD. SAMPLE REQUIRED                                                                                                        |
| 60     | 9       | (5027)       | NORMAL OUTPUT 100 DATER C'D                                                                                                                         |
| *      |         |              | EST. MFG. LOSS 2% MILL Roller BLEED?                                                                                                                |
| 80     | 10      | (25-C-5)     | DEPARTMENT LBS. OR GALS. PER HOUR                                                                                                                   |
| 5      | 3/4     | (543)        | PACKAGE APPROVED                                                                                                                                    |
| 195    | 25 1/4  | (2)          | PARALLEL NO.'S FORMULATOR                                                                                                                           |
| 27     | 4       | (141)        | No Parallel                                                                                                                                         |
| 129    | 19 1/2  | (5027)       | SUPT.                                                                                                                                               |

MANUFACTURING INSTRUCTIONS:

4 lbs. of (4065) may be used if  
desired, for grind aid.

APPLICATION: SURFACE Ext. Wood

NO. COATS one

UNDERCOATER USED Rx 450

METHOD 1 Brush

REDUCTION: AMOUNT \_\_\_\_\_ REDUCER USED \_\_\_\_\_

METHOD 2 \_\_\_\_\_

REDUCTION: AMOUNT \_\_\_\_\_ REDUCER USED \_\_\_\_\_

DRYING TIME: TOUCH 6-8hrs RECOAT 2-4days STENCIL \_\_\_\_\_

HARD \_\_\_\_\_ SAND \_\_\_\_\_ HANDLE \_\_\_\_\_

TACK FREE \_\_\_\_\_ RUB 1 WRAP \_\_\_\_\_

BAKING TIME AND TEMP. \_\_\_\_\_

GLOSS Oil FILM Med. Hard & Elastic

SPECIAL TESTS \_\_\_\_\_

Rex 1.77

| DATE              | SLIP NO.       | AMOUNT         |
|-------------------|----------------|----------------|
| <u>Mem-8-8-51</u> | <u>12-5-51</u> | <u>11</u>      |
| <u>17-10-51</u>   | <u>11</u>      | <u>11</u>      |
| <u>17-10-51</u>   | <u>11</u>      | <u>11</u>      |
| <u>17-10-51</u>   | <u>11</u>      | <u>11</u>      |
| <u>17-10-51</u>   | <u>11</u>      | <u>11</u>      |
| <u>17-10-51</u>   | <u>11</u>      | <u>11</u>      |
| <u>17-10-51</u>   | <u>11</u>      | <u>11</u>      |
| <u>17-10-51</u>   | <u>11</u>      | <u>11</u>      |
| FACTORY           | FORMULA        | SPEC. CARD     |
| EXEC. COST DEPT.  | <u>11</u>      | <u>11</u>      |
| CLEVELAND         | <u>11</u>      | <u>11</u>      |
| KENSINGTON        | <u>11</u>      | <u>12-5-51</u> |
| ALLIED RESEARCH   | <u>11</u>      | <u>11</u>      |
| KENS. TECH. SERV. | <u>11</u>      | <u>11</u>      |
| KENS. LACQUER     | <u>11</u>      | <u>11</u>      |
| NEWARK            | <u>11</u>      | <u>12-5-51</u> |
| OAKLAND           | <u>11</u>      | <u>11</u>      |
| M. SENOUR         | <u>11</u>      | <u>12-5-51</u> |
| DETROIT           | <u>11</u>      | <u>11</u>      |
| LOS ANGELES       | <u>11</u>      | <u>11</u>      |
| DALLAS            | <u>11</u>      | <u>11</u>      |
| DAYTON            | <u>11</u>      | <u>11</u>      |
| GIBBSBORO         | <u>11</u>      | <u>11</u>      |
| EXEC. MFG.        | <u>11</u>      | <u>11</u>      |
| CUBA              | <u>11</u>      | <u>11</u>      |
| MONTREAL          | <u>11</u>      | <u>11</u>      |
| BUENOS AIRES      | <u>11</u>      | <u>11</u>      |
| BRAZIL            | <u>11</u>      | <u>11</u>      |
| RES ADM.          | <u>11</u>      | <u>11</u>      |
| MEXICO            | <u>11</u>      | <u>11</u>      |

0007-SWP-062250

# FORMULA RECORD 6

CONTROL LAB Cleveland T. S. DATE 5-17-50

REX NO. 477

NAME S W P Westchester Gray

CARD NO. 13

| POUNDS | GALLONS | MATERIAL NO.  | CUSTOMER                                                                                                             |
|--------|---------|---------------|----------------------------------------------------------------------------------------------------------------------|
| 330    | 6.8     | 412 or 413    | Sherwin-Williams Co.                                                                                                 |
| 85     | 2.4     | 2174 or 1004  | TO MATCH Neutral Oil Standard #89                                                                                    |
| 390    | 16.4    | 20 or 312     | REASON FOR REVISION: To show Neutral                                                                                 |
| 2      |         | BB 10         | Oil Standard #89                                                                                                     |
| 2      |         | BO 30         |                                                                                                                      |
| 2      |         | BO 31         |                                                                                                                      |
| 1      | 1/8     | (324) *       | VISCOSITY 28-32" @ 75 °C F HRS. AFTER GRIND                                                                          |
| 4      | 1/2     | (5094)        | VISCOSITY on #3 cup 24" HRS. AFTER GRIND                                                                             |
| 234    | 30 1/4  | (2)           | % SOLIDS (RUN)                                                                                                       |
| 153    | 19      | (48) or (310) | WT/GAL 13.44                                                                                                         |
|        |         |               | ROYALTIES <input type="checkbox"/> NO. <input checked="" type="checkbox"/> ALL W <input checked="" type="checkbox"/> |
|        |         |               | BAUME                                                                                                                |
| 5      | 3/4     | (543) A       | LABEL ANALYSIS CHECKED <input checked="" type="checkbox"/>                                                           |
| 9      | 1 1/4   | (4230)        | LABEL NO. RED <input type="checkbox"/> RED <input type="checkbox"/>                                                  |
| 27     | 4       | (141)         | NEW STD. SAMPLE REQUIRED                                                                                             |
| 133    | 20 1/2  | (348)         | DATE REC'D                                                                                                           |
|        |         |               | EST. MFG. LOSS 2%                                                                                                    |
|        |         |               | DEPARTMENT                                                                                                           |
|        |         |               | PACKAGE                                                                                                              |
|        |         |               | PARALLEL NO.'S                                                                                                       |
|        |         |               | No Parallel                                                                                                          |
|        |         |               | FORMULATOR                                                                                                           |
|        |         |               | SUPT.                                                                                                                |

\* See Mfg. Inst.

| MANUFACTURING INSTRUCTIONS: 4 gals of (798)   |  |  | Rx 477            |           |                |
|-----------------------------------------------|--|--|-------------------|-----------|----------------|
| may be used to replace 4 gals of (2)          |  |  | DATE              | SLIP NO.  | AMOUNT         |
| to improve flow.                              |  |  | <i>May 19/50</i>  | <i>11</i> |                |
| * Up to 1/4 gal (324) may be added            |  |  | <i>11</i>         |           |                |
| to grind to adjust viscosity.                 |  |  | <i>11</i>         |           |                |
| APPLICATION: SURFACE Wood Bldg.               |  |  | <i>11</i>         |           |                |
| NO. COATS one                                 |  |  | <i>11</i>         |           |                |
| UNDERCOATER USED Rx 450                       |  |  | FACTORY           | FORMULA   | SPEC. CARD     |
| METHOD 1 Brush                                |  |  | EXEC. COST DEPT.  | "         |                |
| REDUCTION: AMOUNT REDUCER USED                |  |  | CLEVELAND A       | "         |                |
| METHOD 2                                      |  |  | KENSINGTON C      | "         | <i>5/19/50</i> |
| REDUCTION: AMOUNT REDUCER USED                |  |  | ALLIED RESEARCH   | "         |                |
| DRYING TIME: TOUCH 6-8hr RECOAT 2-4days FENCH |  |  | KENS. TECH. SERV. | "         |                |
| HARD SAND HANDLE                              |  |  | KENS. LACQUER     | "         |                |
| TACK FREE RUB WRAP                            |  |  | NEWARK N          | "         | <i>5/19/50</i> |
| BAKING TIME AND TEMP.                         |  |  | OAKLAND O         | "         |                |
| GLOSS Oil FILM Med. Hard & Elasti             |  |  | M. SENOUR M       | "         | <i>5/19/50</i> |
| SPECIAL TESTS                                 |  |  | DETROIT D         | "         |                |
|                                               |  |  | LOS ANGELES P     | "         |                |
|                                               |  |  | DALLAS T          | "         |                |
|                                               |  |  | DAYTON I          | "         |                |
|                                               |  |  | GIBBSBORO F       | "         |                |
|                                               |  |  | EXEC. MFG.        | "         |                |
|                                               |  |  | CUBA H            | "         |                |
|                                               |  |  | MONTREAL G        | "         |                |
|                                               |  |  | BUENOS AIRES 2    | "         |                |
|                                               |  |  | BRAZIL S          | "         |                |
|                                               |  |  | RES ADM           | "         |                |
|                                               |  |  | MEXICO            | "         |                |

| FORMULA RECORD 6            |         |               | DATE 3/10/50                                       |  | PRX NO. 477 |  |
|-----------------------------|---------|---------------|----------------------------------------------------|--|-------------|--|
| CONTRACT LAB Cleveland L.S. |         |               | NAME S W P Westchester Gray                        |  | CARD NO. 12 |  |
| POUNDS                      | GALLONS | WATER NO.     | CUSTOMER Shawin Williams Co.                       |  |             |  |
| 320                         | 6.2     | 412 or 413    | STANDARD <i>Neutral oil</i>                        |  |             |  |
| 85                          | 2.4     | 2174 or 1004  | std #89 <i>5-17-50</i>                             |  |             |  |
| 300                         | 16.4    | 20 or 312     | PERSON FOR REVISION TO SHOW (310) as               |  |             |  |
| 2                           |         | 32 10         | alternate for (310)                                |  |             |  |
| 2                           |         | 30 30         |                                                    |  |             |  |
| 2                           |         | 30 31         |                                                    |  |             |  |
| 1                           | 1/8     | (324) *       | VISCOSITY 25 <i>100</i> MRS. AFTER GRIND           |  |             |  |
| 4                           | 1/2     | (5094)        | VISCOSITY 25 <i>100</i> MRS. AFTER GRIND           |  |             |  |
| 274                         | 30 1/4  | (2)           | % SOLIDS GUM                                       |  |             |  |
| 172                         | 19      | (48) or (310) | WT/GAL 1 <i>10</i> ROYALTY VICTORINE <i>10</i>     |  |             |  |
|                             |         |               | BAUME <i>10</i> ANALYSIS CHECKED <i>10</i>         |  |             |  |
| 5                           | 3/4     | (743)         | MILL NO. REPT. REPT.                               |  |             |  |
| 9                           | 1 1/4   | (4230)        | NEW STD. SAMPLE REQUIRED                           |  |             |  |
| 27                          | 4       | (141)         | DATE REC'D                                         |  |             |  |
| 133                         | 20 1/2  | (348)         | EST. MFG. LOSS <i>10</i> MFG. NO. <i>10</i> BLEED? |  |             |  |
|                             |         |               | DEPARTMENT                                         |  |             |  |
|                             |         |               | PACKAGE                                            |  |             |  |
|                             |         |               | PARALLEL NO.'S                                     |  |             |  |
|                             |         |               | No parallel                                        |  |             |  |
|                             |         |               | APPROVED <i>93 Thompson</i>                        |  |             |  |
|                             |         |               | FORMULATOR                                         |  |             |  |
|                             |         |               | SUPT. <i>876</i>                                   |  |             |  |
|                             |         |               | * See Mfg. Inst.                                   |  |             |  |

0007-SWP-062253

MANUFACTURING INSTRUCTIONS: 4 gals of (798) may  
be used to replace 4 gals of (2) to  
improve flow.

\* Up to 1/4 gal (324) may be added  
to grind to adjust viscosity.

APPLICATION: SURFACE Wood Bldg

NO. COATS One

UNDERCOATER USED Rx 450

METHOD 1 Brush

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 6-8 hrs. RECOAT 12-14 days

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Oil FILM Med. Hard & Elastic

SPECIAL TESTS

| DATE             | SLIP NO. | AMOUNT     |
|------------------|----------|------------|
| 4/10/50          | 11       |            |
| 4/10/50          | 11       |            |
| 4/10/50          | 11       |            |
| 4/10/50          | 11       |            |
| 4/10/50          | 11       |            |
| 4/10/50          | 11       |            |
| FACTORY          | FORMULA  | SPEC. CARD |
| EXEC. COST DEPT. | 11       |            |
| CLEVELAND A      | 11       |            |
| KENNINGTON C     | 11       | 4/10/50    |
| ALLIED RESEARCH  | 11       |            |
| KENS. TECH. CEN. | 11       |            |
| KENS. LACQUER    | 11       |            |
| NEWARK N         | 11       | 4/10/50    |
| OAKLAND O        | 11       |            |
| M. SENOUR M      | 11       | 4/10/50    |
| DETROIT D        | 11       |            |
| LOS ANGELES P    | 11       |            |
| DALLAS T         | 11       |            |
| DAYTON I         | 11       |            |
| GIBBSBORO F      | 11       |            |
| EXEC. MFG        | 11       |            |
| CUDA H           | 11       |            |
| MONTREAL G       | 11       |            |
| BUENOS AIRES Z   | 11       |            |
| BRASIL S         | 11       |            |
| RES ADM          | 11       |            |
| MEXICO           | 11       |            |

0007-SWP-062254

| FORMULA RECORD   |         |                        |                                                                                                                         |
|------------------|---------|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| CONTROL LAB      |         | Cleveland T.S.         | DATE 12/1/49                                                                                                            |
| NAME             |         | S W P Westchester Gray | REL NO. 477                                                                                                             |
|                  |         |                        | CARD NO. 11                                                                                                             |
| POUNDS           | GALLONS | MATERIAL NO.           | CUSTOMER Sherwin Williams Co.                                                                                           |
| 330              | 6.8     | 412 or 413             | TO MATCH Standard                                                                                                       |
| 85               | 2.4     | 2174 or 1004           |                                                                                                                         |
| 390              | 16.4    | 20 or CW 2747          | REASON FOR REVISION To show choice of                                                                                   |
| ?                |         | BB 10                  | lead zinc and increase viscosity.                                                                                       |
| ?                |         | BO 30                  |                                                                                                                         |
| ?                |         | BO 31                  |                                                                                                                         |
| 1                | 1/8     | ( 324 ) *              | VISCOSITY 28-32" @ 75 deg. °                                                                                            |
| 4                | 1/2     | ( 5094 )               | ON #3 Cup AT HRS. AFTER GRIND                                                                                           |
| 234              | 30 1/4  | ( 2 )                  | % SOLIDS (RUN)                                                                                                          |
| 153              | 19      | 4 48 (3/4)             | WATER T 13.44                                                                                                           |
| 5                | 3/4     | ( 543 )                | ROYALTY: YES <input type="checkbox"/> NO <input type="checkbox"/> X <input type="checkbox"/> W <input type="checkbox"/> |
| 9                | 1 1/4   | ( 4230 )               | LABEL ANALYSIS CHECKED DATE 12-27-49                                                                                    |
| 27               | 4       | ( 141 )                | LABEL NO. RED <input type="checkbox"/> RED <input type="checkbox"/>                                                     |
| 133              | 20 1/2  | ( 348 )                | NEW STD. SAMPLE REQUIRED                                                                                                |
|                  |         |                        | DATE REC'D                                                                                                              |
|                  |         |                        | EST. MFG. LOSS 2%                                                                                                       |
|                  |         |                        | MILL Roller BLEED?                                                                                                      |
|                  |         |                        | DEPARTMENT                                                                                                              |
|                  |         |                        | LBS. OR GALS. PER HOUR                                                                                                  |
|                  |         |                        | PACKAGE                                                                                                                 |
|                  |         |                        | APPROVED                                                                                                                |
|                  |         |                        | PARALLEL NO.'S                                                                                                          |
|                  |         |                        | FORMULATOR                                                                                                              |
|                  |         |                        | SUPT.                                                                                                                   |
| * See Mfg. Inst. |         | No parallel            |                                                                                                                         |

0007-SWP-062255

MANUFACTURING INSTRUCTIONS: 4 gals of (798) may be used to replace 4 gals of (2) to improve flow.

\* Up to 1/4 gal (324) may be added to grind to adjust viscosity.

APPLICATION: SURFACE Wood Bldg.

NO. COATS One

UNDERCOATER USED Rx 450

METHOD 1 Brush

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 6-8 hrs RECOAT 2-4 days

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Oil FILM Med. Hard & Elastic

SPECIAL TESTS

| DATE              | SUP. NO. | AMOUNT     |
|-------------------|----------|------------|
| 12/11/42          | "        |            |
| 12/11/42          | "        |            |
| 12/11/42          | "        |            |
| 12/11/42          | "        |            |
| 12/11/42          | "        |            |
| 12/11/42          | "        |            |
| 12/11/42          | "        |            |
| FACTORY           | FORMULA  | SPEC. CARD |
| EXEC. COST DEPT.  | "        |            |
| CLEVELAND A       | "        | 12/11/42   |
| KENSINGTON C      | "        |            |
| ALLIED RESEARCH   | "        |            |
| KENS. TECH. SERV. | "        |            |
| KENS. LACQUER     | "        |            |
| NEWARK N          | "        | 12/11/42   |
| OAKLAND O         | "        |            |
| M. SENOUR M       | "        | 12/11/42   |
| DETROIT D         | "        |            |
| LOS ANGELES S     | "        |            |
| DALLAS T          | "        |            |
| DAYTON I          | "        |            |
| GIBBSBORO F       | "        |            |
| EXEC. MFG.        | "        |            |
| CUBA H            | "        |            |
| MONTREAL G        | "        |            |
| BUENOS AIRES Z    | "        |            |
| BRAZIL S          | "        |            |
| RES ADM           | "        |            |
| MEXICO            | "        |            |

| FORMULA RECORD 6            |          |               | CONF LAB Cleveland T. S. DATE 8-19-49                                                                                         |  | REX. NO. 477 |
|-----------------------------|----------|---------------|-------------------------------------------------------------------------------------------------------------------------------|--|--------------|
| NAME S W P Westchester Gray |          |               | CARD NO. 10                                                                                                                   |  |              |
| POUNDS                      | GALLONS  | MATERIAL NO.  | CUSTOMER Sherwin-Williams Co.                                                                                                 |  |              |
| 330                         |          | 413 or 412    | TO MATCH Std.                                                                                                                 |  |              |
| 85                          |          | 2174 or 1004  |                                                                                                                               |  |              |
| 390                         |          | 20 or CW 2747 | REASON FOR REVISION Correcting wt/gal                                                                                         |  |              |
| ?                           |          | BB 10         | on previous formula.                                                                                                          |  |              |
| ?                           |          | BO 30         |                                                                                                                               |  |              |
| ?                           |          | BO 31         |                                                                                                                               |  |              |
|                             | 30 1/4   | (2)           | VISCOSITY 25-30" @ 75 deg F HRS. AFTER GRIND                                                                                  |  |              |
|                             | 19       | (310)         | VISCOSITY on #3 SW cup AT HRS. AFTER GRIND                                                                                    |  |              |
|                             | 5 3/4    | (348)         | % SOLIDS (RUN) _____                                                                                                          |  |              |
|                             |          |               | WT. GAL T 13.44                                                                                                               |  |              |
|                             | 3/4      | (543)         | BAUME _____                                                                                                                   |  |              |
|                             | 1 1/4    | (4230)        | STD. OF FINENESS 2H                                                                                                           |  |              |
|                             | 4        | (141)         | NORMAL OUTPUT 100                                                                                                             |  |              |
|                             | 15 1/4   | (348)         | EST. MFG. LOSS 2%                                                                                                             |  |              |
|                             |          |               | DEPARTMENT _____                                                                                                              |  |              |
|                             |          |               | PACKAGE _____                                                                                                                 |  |              |
|                             |          |               | PARALLEL NO.'s                                                                                                                |  |              |
|                             |          |               | No parallel                                                                                                                   |  |              |
|                             |          |               | ROYALTY, YES <input type="checkbox"/> ; NO <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |  |              |
|                             |          |               | LABEL ANALYSIS CHECKED-DATE _____                                                                                             |  |              |
|                             |          |               | LABEL NO. RED <input checked="" type="checkbox"/> ; RED <input type="checkbox"/>                                              |  |              |
|                             |          |               | NEW STD. SAMPLE REQUIRED _____                                                                                                |  |              |
|                             |          |               | DATE REC'D _____                                                                                                              |  |              |
|                             |          |               | MILL Roller BLEED? _____                                                                                                      |  |              |
|                             |          |               | LBS. OR GALS. PER HOUR _____                                                                                                  |  |              |
|                             |          |               | APPROVED _____                                                                                                                |  |              |
|                             |          |               | FORMULATOR <i>W. Thompson</i>                                                                                                 |  |              |
|                             |          |               | SUPT. <i>B. B. B.</i>                                                                                                         |  |              |
| * 24                        | 3/4 gals | (2398)        |                                                                                                                               |  |              |

0007-SWP-062257

MANUFACTURING INSTRUCTIONS:

4 gals of (728) may be used to  
replace 4 gals of (2) to improve  
flow.

APPLICATION: SURFACE Wood Bldg.

NO. COATS one

UNDERCOATER USED Rx 450

METHOD 1 Brush

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 6-8hrs RECOAT 2-4days

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Oil FILM Med. Hard & Elast

SPECIAL TESTS

Rx 477

| DATE              | SLIP NO. | AMOUNT     |
|-------------------|----------|------------|
| May               | 9/13/49  |            |
| Bayer             | "        |            |
| T.S.              | "        |            |
| Edgar             | "        |            |
| Edgar             | "        |            |
| DD                | "        |            |
| MIKE              | "        |            |
| R. Schmitt        | "        |            |
| FACTORY           | FORMULA  | SPEC. CARD |
| EXEC. COST DEPT.  | "        |            |
| CLEVELAND A       | "        |            |
| KENSINGTON C      | "        | 9/13/49    |
| ALLIED RESEARCH   | "        |            |
| KENS. TECH. SERV. | "        |            |
| KENS. LACQUER     | "        |            |
| NEWARK N          | "        | 9/13/49    |
| OAKLAND C         | "        |            |
| M. SENOUR M       | "        | 9/13/49    |
| DETROIT D         | "        |            |
| LOS ANGELES P     | "        |            |
| DALLAS T          | "        |            |
| DAYTON I          | "        |            |
| WESBORO F         | "        |            |
| EXEC. MFG.        | "        |            |
| CUBA H            | "        |            |
| MONTREAL G        | "        |            |
| BUENOS AIRES Z    | "        |            |
| BRAZIL S          | "        |            |
| RES ADH           | "        |            |
| MEXICO            | "        |            |

0007-SWP-062258

# FORMULA RECORD 6

CONTROL LAB **Cleveland T.S.** DATE **8/19/49** REK. NO. **477**  
 NAME **S W P Westchester Gray** CARD NO. **9**

| POUNDS | GALLONS      | MATERIAL NO.  | CUSTOMER                                                                                                                                           |
|--------|--------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 330    |              | 413 or 412    | <b>Sherwin Williams Co.</b>                                                                                                                        |
| 85     |              | 2174 or 1004  | <b>TO MATCH Standard</b>                                                                                                                           |
| 390    |              | 20 or CW 2747 | REASON FOR REVISION <b>Eliminating (12)W</b>                                                                                                       |
| ?      |              | BB 10         | <b>also allowing the use of 413 dry</b>                                                                                                            |
| ?      |              | BO 30         | <b>and (310).</b>                                                                                                                                  |
| ?      |              | BO 31         |                                                                                                                                                    |
|        | 30 1/4       | ( 2 )         | VISCOSITY <b>25-30" @ 75 deg F.</b> HRS. AFTER GRIND                                                                                               |
|        | 19           | (310)         | VISCOSITY <b>On #3 SW</b> AT HRS. AFTER GRIND                                                                                                      |
|        | 5 3/4        | (348) } or *  | % SOLIDS (RUN) <b>13.45</b> POWDERY YES <input type="checkbox"/> NO <input type="checkbox"/> X <input type="checkbox"/> W <input type="checkbox"/> |
|        |              |               | WT./GAL <b>T 14.47</b> LABEL ANALYSIS CHECKED DATE                                                                                                 |
|        | 3/4          | ( 543 )       | BAUME LABEL NO. <b>RED 1000</b>                                                                                                                    |
|        | 1 1/4        | (4230)        | STD. OF FINENESS <b>2H</b> NEW STD. SAMPLE REQUIRED                                                                                                |
|        | 4            | ( 141 )       | NORMAL OUTPUT <b>100</b> DATE REC'D <b>8/19/49</b>                                                                                                 |
|        | 15 1/4       | ( 348 )       | EST. MFG. LOSS <b>25</b> MILL <b>Roller</b> BLEEDY                                                                                                 |
|        |              |               | DEPARTMENT LBS. OR GALS. PER HOUR                                                                                                                  |
|        | * 24 3/4 gal | (2398)        | PACKAGE APPROVED                                                                                                                                   |
|        |              |               | PARALLEL NO.'S FORMULATOR <b>RB Thompson</b>                                                                                                       |
|        |              |               | <b>No parallel</b> SUPT. <b>SP 16</b>                                                                                                              |

0007-SWP-062259

MANUFACTURING INSTRUCTIONS:

4 gals of (798) may be used to re-  
place 4 gals of (2) to improve flow.

APPLICATION: SURFACE **Wood Bldg**

NO. COATS **One**

UNDERCOATER USED **Rx 450**

METHOD **Brush**

REDUCTION: AMOUNT REDUCER USED

METHOD

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH **6-8hrs** RECOAT **2-4days** STENCIL

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS **Oil** FILM **Med. Hard & Elastic**

SPECIAL TESTS

477

| DATE              | SLIP NO.       | AMOUNT         |
|-------------------|----------------|----------------|
| <i>Mum</i>        | <i>8/31/49</i> |                |
| <i>Ryde</i>       | <i>"</i>       |                |
| <i>Pizza</i>      | <i>"</i>       |                |
| <i>T.S.</i>       | <i>"</i>       |                |
| <i>Caplan</i>     | <i>"</i>       |                |
| <i>R.D.</i>       | <i>"</i>       |                |
| <i>Mike</i>       | <i>"</i>       |                |
| <i>W. Schatz</i>  | <i>"</i>       |                |
| FACTORY           | FORMULA        | SPEC. CARD     |
| EXEC. COST DEPT.  | <i>"</i>       |                |
| CLEVELAND A       | <i>"</i>       |                |
| KENSINGTON C      | <i>"</i>       | <i>8/31/49</i> |
| ALLIED RESEARCH   | <i>"</i>       |                |
| KENS. TECH. SERV. | <i>"</i>       |                |
| KENS. LACQUER     | <i>"</i>       |                |
| NEWARK N          | <i>"</i>       | <i>8/31/49</i> |
| OAKLAND O         | <i>"</i>       |                |
| H. SENOUR M       | <i>"</i>       | <i>8/31/49</i> |
| DETROIT D         | <i>"</i>       |                |
| LOS ANGELES P     | <i>"</i>       |                |
| DALLAS T          | <i>"</i>       |                |
| DAYTON I          | <i>"</i>       |                |
| GIBBSBORO F       | <i>"</i>       |                |
| EXEC. MFG.        | <i>"</i>       |                |
| CUBA H            | <i>"</i>       |                |
| MONTREAL G        | <i>"</i>       |                |
| BUENOS AIRES Z    | <i>"</i>       |                |
| BRAZIL S          | <i>"</i>       |                |
| RES ADM           | <i>"</i>       |                |
| MEXICO            | <i>"</i>       |                |

0007-SWP-062260

# FORMULA RECORD 6

CONTROL LAB Cleveland T.S.

DATE 6/6/49

REX. NO. 477

NAME S W P Westchester Gray

CARD NO. 8

| POUNDS | GALLONS | MATERIAL NO. | CUSTOMER                                                                               |
|--------|---------|--------------|----------------------------------------------------------------------------------------|
| 132    | 2.8     | 414 }        | Sherrin Williams Co.                                                                   |
| 198    | 4       | 511 } or     | TO MATCH Standard                                                                      |
|        | 330#    | 412          | REASON FOR REVISION To use (3321) in                                                   |
| 85     | 2.4     | 2174 or 1004 | place of (48).                                                                         |
| 390    | 16.4    | 20 or        |                                                                                        |
|        | (240#   | 2203         |                                                                                        |
|        | 120     | 2201         |                                                                                        |
| ?      |         | BB 10        | VISCOSITY 25-30" 975 deg F. HRS. AFTER GRIND                                           |
| ?      |         | BO 30        | VISCOSITY HRS. AFTER GRIND                                                             |
| ?      |         | BO 31        | % SOLIDS (RUN)                                                                         |
| 6      | 3/4     | ( 12 )       | WT/GAL T 13.42                                                                         |
| 227    | 29 3/8  | ( 2 )        | BAUME                                                                                  |
| 150    | 19      | (3321)       | STD. OF FINENESS 2H                                                                    |
|        |         |              | NORMAL OUTPUT 100                                                                      |
| 5      | 3/4     | ( 543 )      | EST. MFG. LOSS 2%                                                                      |
| 9      | 1 1/4   | (4230)       | DEPARTMENT                                                                             |
| 137    | 21      | ( 348 )      | PACKAGE                                                                                |
| 27     | 4       | ( 141 )      | PARALLEL NO.'S                                                                         |
|        |         |              | ROYALTY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> XES. W. O. |
|        |         |              | LABEL ANALYSIS CHECKED DATE                                                            |
|        |         |              | LABEL NO. REDEFINED                                                                    |
|        |         |              | NEW STD. SAMPLE REQUIRED                                                               |
|        |         |              | DATE REV'D                                                                             |
|        |         |              | Roller BLEED?                                                                          |
|        |         |              | LBS. OR GALS. PER HOUR                                                                 |
|        |         |              | APPROVED                                                                               |
|        |         |              | FORMULATOR                                                                             |
|        |         |              | SUPT.                                                                                  |

0007-SWP-062261

MANUFACTURING INSTRUCTIONS:

4 gals of (2) may be replaced with  
4 gals of (798) to improve flow.

APPLICATION: SURFACE Wood Bldg  
NO. COATS One

UNDERCOATER USED Rx 450  
METHOD Brush

REDUCTION: AMOUNT \_\_\_\_\_ REDUCER USED \_\_\_\_\_

METHOD \_\_\_\_\_  
REDUCTION: AMOUNT \_\_\_\_\_ REDUCER USED \_\_\_\_\_

DRYING TIME: TOUCH 6-8hrs RECOAT 2-4days STENCIL

HARD \_\_\_\_\_ SAND \_\_\_\_\_ HANDLE \_\_\_\_\_

TACK FREE \_\_\_\_\_ RUB \_\_\_\_\_ WRAP \_\_\_\_\_

BAKING TIME AND TEMP. \_\_\_\_\_

GLOSS Oil FILM Med. Hard & Elastic

SPECIAL TESTS \_\_\_\_\_

477

| DATE               | SLIP NO.       | AMOUNT        |
|--------------------|----------------|---------------|
| <i>R. Schaefer</i> | <i>7-26-44</i> | <i>44</i>     |
| <i>W. S.</i>       | <i>6/9/44</i>  |               |
| <i>W. S.</i>       | <i>"</i>       |               |
| <i>W. S.</i>       | <i>"</i>       |               |
| <i>W. S.</i>       | <i>"</i>       |               |
| <i>W. S.</i>       | <i>"</i>       |               |
| <i>W. S.</i>       | <i>"</i>       |               |
| <i>W. S.</i>       | <i>"</i>       |               |
| <i>W. S.</i>       | <i>"</i>       |               |
| FACTORY            | FORMULA        | SPEC. CARD    |
| EXEC. COST DEPT.   | <i>"</i>       |               |
| CLEVELAND. A       | <i>"</i>       |               |
| KENSINGTON. C      | <i>"</i>       | <i>6/9/44</i> |
| ALLIED RESEARCH    | <i>"</i>       |               |
| KENS. TECH. SERV.  | <i>"</i>       |               |
| KENS. LACQUER      | <i>"</i>       |               |
| NEWARK. N          | <i>"</i>       |               |
| OAKLAND. O         | <i>"</i>       |               |
| M. SENOUR. M       | <i>"</i>       |               |
| DETROIT. D         | <i>"</i>       |               |
| LOS ANGELES. P     | <i>"</i>       |               |
| DALLAS. T          | <i>"</i>       |               |
| DAYTON. I          | <i>"</i>       |               |
| GIBBSBORO. F       | <i>"</i>       |               |
| EXEC. MFG.         | <i>"</i>       |               |
| CUBA. H            | <i>"</i>       |               |
| MONTREAL. G        | <i>"</i>       |               |
| BUENOS AIRES. Z    | <i>"</i>       |               |
| BRAZIL. S          | <i>"</i>       |               |
| RES ADH.           | <i>"</i>       |               |
| MEXICO.            | <i>"</i>       |               |

# FORMULA RECORD

6

CONTROL LAB Cleveland T.S.

DATE

1/24/49

REX NO. 477

NAME

S W P Westchester Gray

CARD NO. 7

| POUNDS | GALLONS | MATERIAL NO. | CUSTOMER                                                     |
|--------|---------|--------------|--------------------------------------------------------------|
| 132    | 2.8     | 414          | Sherwin Williams Co.                                         |
| 198    | 4       | 511          | TO MATCH Standard                                            |
|        | 330 #   | 412          | REASON FOR REVISION To eliminate B C F L and show substitute |
| 85     | 2.4     | 2174 or 1004 |                                                              |
| 390    | 16.4    | 20 or        |                                                              |
|        | (240#)  | 2203         |                                                              |
|        | (120#)  | 2201         |                                                              |
| ?      |         | BB 10, BO 30 | VISCOSITY 25-30 cP 75 sec. F. HRS. AFTER GRIND               |
| ?      |         | BO 31        | VISCOSITY On #3 Cup AT 75 sec. AFTER GRIND                   |
| 6      | 3/4     | ( 12 ) W     | % SOLIDS (RUN)                                               |
| 227    | 29 3/8  | ( 2 )        | WT./GAL T 13.44                                              |
| 153    | 19      | ( 48 )       | BAUME                                                        |
| 5      | 3/4     | ( 543 )      | STD. OF FINENESS 2H                                          |
| 9      | 1 1/4   | ( 4230 )     | NORMAL OUTPUT 100                                            |
| 137    | 21      | ( 348 )      | EST. MFG. LOSS 2 1/2                                         |
| 27     | 4       | ( 141 )      | DEPARTMENT                                                   |
|        |         |              | PACKAGE                                                      |
|        |         |              | PARALLEL NO.'S                                               |
|        |         |              | APPROVED                                                     |
|        |         |              | FORMULATOR                                                   |
|        |         |              | SUPT.                                                        |

0007-SWP-062263

MANUFACTURING INSTRUCTIONS:

4 gals of (2) may be replaced with  
4 gals of (798) to improve flow.

APPLICATION: SURFACE Bldgs

NO. COATS One

UNDERCOATER USED 450

METHOD Brush

REDUCTION: AMOUNT \_\_\_\_\_ REDUCER USED \_\_\_\_\_

METHOD \_\_\_\_\_

REDUCTION: AMOUNT \_\_\_\_\_ REDUCER USED \_\_\_\_\_

DRYING TIME: TOUCH 6-8hrs RECOAT 2-4days STENCIL \_\_\_\_\_

HARD \_\_\_\_\_ SAND \_\_\_\_\_ HANDLE \_\_\_\_\_

TACK FREE \_\_\_\_\_ RUB \_\_\_\_\_ WRAP \_\_\_\_\_

BAKING TIME AND TEMP. \_\_\_\_\_

GLOSS Oil FILM Med. Hard & Elastic

SPECIAL TESTS \_\_\_\_\_

477

| DATE              | SLIP NO.       | AMOUNT                |
|-------------------|----------------|-----------------------|
| <u>Test</u>       | <u>4/12/49</u> |                       |
| <u>Memo</u>       | <u>2/1/49</u>  |                       |
| <u>Boyer</u>      | <u>"</u>       |                       |
| <u>Carlson</u>    | <u>"</u>       |                       |
| <u>T-S</u>        | <u>"</u>       |                       |
| FACTORY           | FORMULA        | SPEC. CARD            |
| EXEC. COST DEPT.  | <u>"</u>       |                       |
| CLEVELAND         | <u>A</u>       |                       |
| KENSINGTON        | <u>C</u>       | <u>2/1/49</u>         |
| ALLIED RESEARCH   | <u>"</u>       |                       |
| KENS. TECH. SERV. | <u>"</u>       |                       |
| KENS. LACQUER     | <u>"</u>       |                       |
| NEWARK            | <u>N</u>       |                       |
| OAKLAND           | <u>O</u>       |                       |
| M. SENOUR         | <u>M</u>       |                       |
| DETROIT           | <u>D</u>       |                       |
| LOS ANGELES       | <u>P</u>       |                       |
| DALLAS            | <u>T</u>       | <u>11 Dec 4/12/49</u> |
| DAYTON            | <u>L</u>       |                       |
| GIBBSBORO         | <u>F</u>       |                       |
| EXEC. MFG.        | <u>"</u>       |                       |
| CUSA              | <u>H</u>       |                       |
| MONTREAL          | <u>G</u>       |                       |
| BUENOS AIRES      | <u>2</u>       |                       |
| BRAZIL            | <u>S</u>       |                       |
| RES ADM           | <u>"</u>       |                       |
| MEXICO            | <u>"</u>       |                       |

0007-SWP-062264

# FORMULA RECORD

CONTROL LAB Cleveland T.S. DATE 1/4/49

REX NO. 477

NAME S.W.P. Westchester Gray

CARD NO. 6

| POUNDS | GALLONS | MATERIAL NO. | CUSTOMER                                             |
|--------|---------|--------------|------------------------------------------------------|
| 385    |         | 20 F         | Shawin Williams Co.                                  |
| 75     |         | 2174         | TO M TCH. Standard                                   |
| 300    |         | 412          | REASON FOR REVISION <u>Conserving Raw</u>            |
| 53     |         | 18           | <u>Materials.</u>                                    |
| ?      |         | BB 10        |                                                      |
| ?      |         | BY 40        |                                                      |
| 6      | 3/4     | ( 12 ) W     | VISCOSITY <u>25-30" @ 75 deg F.</u> HRS. AFTER GRIND |
| 227    | 29 3/8  | ( 2 )        | VISCOSITY <u>On #3 Cup</u> HRS. AFTER GRIND          |
| 153    | 19      | ( 48 )       | % SOLIDS (RUN) <u>22</u> ROTARY TEST NO. <u>12</u>   |
| 27     | 4       | ( 141 )      | WT./GAL <u>T 13.50</u> LABEL ANALYSIS CHECKED-DATE   |
| 5      | 3/4     | ( 543 )      | BAUME LABEL NO. RED <u>E</u> ; RED <u>D</u>          |
| 9      | 1 1/4   | ( 4230 )     | STD. OF FINENESS <u>2H</u> NEW STD. SAMPLE REQUIRED  |
| 3 1/2  | 1/2     | ( 4232 )     | NORMAL OUTPUT <u>100</u> DATE REC'D                  |
| 138    | 21 1/4  | ( 348 )      | EST. MFG. LOSS <u>2%</u> <u>Roller</u> BLEED?        |
|        |         |              | DEPARTMENT LBS. OR GALS. PER HOUR                    |
|        |         |              | PACKAGE APPROVED                                     |
|        |         |              | PARALLEL NO.'S FORMULATOR <u>B. Thompson</u>         |
|        |         |              | SUPT. <u>876</u>                                     |

0007-SWP-062265



| FORMULA RECORD |                        |         | A135 WHITE          |                                                                                                                     |
|----------------|------------------------|---------|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Exp. No.       | Date                   | 4/21/48 | Class               | 6                                                                                                                   |
| Name           | S W P Westchester Gray |         | Replaces No.        | 4                                                                                                                   |
|                |                        |         | Card No.            |                                                                                                                     |
|                |                        |         | Customer            | Sherwin Williams Co.                                                                                                |
|                |                        |         | To Match            | Standard                                                                                                            |
|                |                        |         | Reason for Revision | Improve durability by increasing zinc content as per M V L's letter to SFC of 3/25/48, and use 511 for leaded zinc. |
|                |                        |         | Viscosity           | 25-30" @ 75 deg F.                                                                                                  |
|                |                        |         | Viscosity           | On #3 Cap                                                                                                           |
|                |                        |         | % Solids (Run)      | 14.33                                                                                                               |
|                |                        |         | WL/Gal              | 14.33                                                                                                               |
|                |                        |         | Baume               | 2H                                                                                                                  |
|                |                        |         | Std. of Fineness    | 100                                                                                                                 |
|                |                        |         | Normal Output       | 5/1/48 28                                                                                                           |
|                |                        |         | Est. Mfg. Loss      |                                                                                                                     |
|                |                        |         | Department          |                                                                                                                     |
|                |                        |         | Package             |                                                                                                                     |
|                |                        |         | Parallel No.'s      |                                                                                                                     |
|                |                        |         | Approved            | K. F. Sauer                                                                                                         |
|                |                        |         | Formulator          | J. F. L.                                                                                                            |
|                |                        |         | Supt.               |                                                                                                                     |

| POUNDS | GALLONS | MATERIAL NO. |
|--------|---------|--------------|
| 315    |         | 20 F         |
| 100    |         | 2174         |
| 254    |         | 414          |
| 163    |         | 511          |
| 70     |         | 18 (OVER)    |
| ?      |         | BB 10        |
| ?      |         | BO 30        |
| ?      |         | BO 31        |
| 6      | 3/4     | (12) W       |
| 227    | 29 3/8  | (2)          |
| 150    | 19      | (3316) (34)  |
| 5 1/4  | 3/4     | (543)        |
| 9 1/4  | 1 1/4   | (4230)       |
| 3 1/2  | 1/2     | (4232) (348) |
| 133    | 20 1/2  | (348)        |
| 27     | 4       | (141)        |
| 315#   | 20 F    | OR           |
| 194#   | 2203    |              |
| 96 #   | 2201    |              |

0007-SWP-062267



| FORMULA RECORD |                        |              |                                | A135 WHITE                                                                                                                    |                  |
|----------------|------------------------|--------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------|
| Exp. No.       | Date                   | 9/18/47      | Class                          | 6                                                                                                                             | 477 Alt C        |
| Name           | S W P Westchester Gray |              |                                | Card No.                                                                                                                      | 4 Replaces No. 3 |
| POUNDS         | GALLONS                | MATERIAL No. | Customer                       | S W P                                                                                                                         |                  |
| 325            |                        | 20 L         | To Match                       | Std.                                                                                                                          |                  |
| 100            |                        | 2174         |                                |                                                                                                                               |                  |
| 400            |                        | 412          | Reason for Revision            | To use CW 2035 and conserve linseed                                                                                           |                  |
| 70             |                        | 18           | (19 gal (3316))                |                                                                                                                               |                  |
| ?              |                        | BB 10        | (24 3/8 (2))                   |                                                                                                                               |                  |
| ?              |                        | BO 31        | (5 CW 2035)                    |                                                                                                                               |                  |
| ?              |                        | BO 30        | Viscosity 25-30" @ 75 deg F at | hrs. after grind                                                                                                              |                  |
| 6              | 3/4                    | (12)W        | Viscosity On #3 Cup            | at hrs. after grind                                                                                                           |                  |
| 152            | 19                     | (48)         | % Solids (Run)                 | Royalty: Yes <input type="checkbox"/> ; No <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |                  |
| 110            | 14 3/8                 | (2)          | WL/Gal T 14.2                  | Label Analysis Checked-Date                                                                                                   |                  |
| 116            | 15                     | CW 2035      | Baume                          | Label: No Red <input type="checkbox"/> ; Red <input type="checkbox"/>                                                         |                  |
| 5 1/4          | 3/4                    | (543)        | Std. of Fineness               | New Std. Sample Required                                                                                                      |                  |
| 9 1/4          | 1 1/4                  | (4230)       | Normal Output                  | Date Rec'd                                                                                                                    |                  |
| 3 1/2          | 1/2                    | (4232)       | Est. Mfg. Loss                 | Lbs. or Gals. per hour                                                                                                        |                  |
| 133            | 20 1/2                 | (348)        | Department                     | Approved                                                                                                                      |                  |
| 27             | 4                      | (111)        | Package                        | Formulator                                                                                                                    |                  |
| 325#           | 20 L                   | or           | Parallel No.'s                 | Supt.                                                                                                                         |                  |
| 156#           | 1989                   | 200# 2:03    |                                |                                                                                                                               |                  |
| 156            | 2201                   | or 100 2201  |                                |                                                                                                                               |                  |

0007-SWP-062269

**MANUFACTURING INSTRUCTIONS:** When using BW 102 and (43)

use 82# BW 102 in place of 70# of 18 dry  
 use 13 gl of (2) in place of 14 3/8 gl  
 in place of 1/4 gl. of 12W. When using  
 82# of BW 102 in place of 70# of 18 dry  
 of 24 3/8 gl (2), use 1/8 gl of 12W in

DATE SLIP No. AMOUNT  
 or (2) use 1/8 gl of 12W  
 BW 102 and (3316) use  
 use 23 gl of (2) in place  
 place of 1/4 gl of 12W.

Application: Surface Buildings No. Coats One  
 Undercoater Used No. Coats

Method 1 Brush

Reduction: Amount Reducer Used

Method 2

Reduction: Amount Reducer Used

Drying Time: Touch 6hrs. Recoat 4-5 days Stencil

Hard Sand Handle

Tack Free Rub Wrap

Baking Time and Temp.

Gloss Oil Film Med. Hard, Elastic

Special Tests It is permissible to replace up to  
 8 gl of (2) with (798) to get proper

Flow

4/10/47 284/5/48

| FACTORY           | FORMULA | SPEC. CARD |
|-------------------|---------|------------|
| Exec. Cost Dept.  | "       |            |
| Cleveland         | A       |            |
| Kensington        | C       | 9-3-47     |
| Allied Research   | "       |            |
| Kens. Tech. Serv. | "       |            |
| Kens. Lacquer     |         |            |
| Newark            | N       | "          |
| Oakland           | O       | "          |
| M. Senour         | M       | "          |
| Detroit           | D       | "          |
| Los Angeles       | P       | "          |
| Dallas            | T       | "          |
| Dayton            | B       | "          |
| Gibbsboro         | F       | "          |
| Pittsburgh        | H       | "          |
| Cuba              | V       | "          |
| Montreal          | "       | "          |
| Buenos Aires      | Z       | "          |
| Brazil            | "       | "          |

| FORMULA RECORD |                      |                      | A135 WHITE                                                                                                                    |                                |
|----------------|----------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Exp. No.       | Date                 | 8/1/47               | Class                                                                                                                         | 6                              |
| Name           | SWP Westchester Gray |                      | Rex. No.                                                                                                                      | 477                            |
|                |                      |                      | Card No.                                                                                                                      | 4                              |
|                |                      |                      | Replaces No.                                                                                                                  | 3                              |
| POUNDS         | GALLONS              | MATERIAL No.         | Customer                                                                                                                      | S W Co.                        |
| 325            |                      | 20 L                 | To Match                                                                                                                      | Std.                           |
| 100            |                      | <del>2114</del> 2174 |                                                                                                                               | 8/14/47                        |
| 295            |                      | 414                  | Reason for Revision                                                                                                           | To use 414 dry in place of 412 |
| 175            |                      | 18                   |                                                                                                                               |                                |
| ?              |                      | BB 10                |                                                                                                                               |                                |
| ?              |                      | BO 31                |                                                                                                                               |                                |
| ?              |                      | BO 30                |                                                                                                                               |                                |
| 2 1/4          | 1/4                  | (12)W                | Viscosity                                                                                                                     | 25-30" @ 75° On 3 Cup          |
| 150            | 29 3/8               | (2)                  | Viscosity                                                                                                                     | at                             |
| 150            | 19                   | (3311) (3316)        | % Solids (Run)                                                                                                                | hrs. after grind               |
| 5 1/4          | 3/4                  | (543)                | Wt./Gal.                                                                                                                      | 14.29                          |
| 9 1/4          | 1 1/4                | (4230)               | Baume                                                                                                                         | 24                             |
| 3 1/2          | 1/2                  | (4232)               | Std. of Fineness                                                                                                              | 30                             |
| 136            | 21                   | (348)                | Normal Output                                                                                                                 | 100                            |
| 27             | 4                    | (141)                | Est. Mfg. Loss                                                                                                                | 2%                             |
| 325#           | 20 L                 | or                   | Department                                                                                                                    |                                |
| 156#           | 1989                 | 200# 2203            | Package                                                                                                                       |                                |
| 156#           | 2201                 | 100# 2201            | Parallel No.'s                                                                                                                |                                |
|                |                      |                      | Royalty: Yes <input type="checkbox"/> ; No <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |                                |
|                |                      |                      | Label Analysis Checked-Date                                                                                                   |                                |
|                |                      |                      | Label: No Red <input checked="" type="checkbox"/> ; Red <input type="checkbox"/>                                              |                                |
|                |                      |                      | New Std. Sample Required                                                                                                      |                                |
|                |                      |                      | Date Rec'd                                                                                                                    |                                |
|                |                      |                      | Mill Roller                                                                                                                   | Bleed?                         |
|                |                      |                      | Lbs. or Gals. per hour                                                                                                        |                                |
|                |                      |                      | Approved                                                                                                                      | Sam H. Dwyer                   |
|                |                      |                      | Formulator                                                                                                                    | S.F.C.                         |
|                |                      |                      | Supt.                                                                                                                         |                                |

0007-SWP-062271



| FORMULA RECORD |                        |              |                                                                                                                               | A135 WHITE |              |
|----------------|------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------|------------|--------------|
| Exp. No.       | Date                   | Class        | 6                                                                                                                             | Rev. No.   | 477 Alt D    |
| Name           | S W P Westchester Gray |              |                                                                                                                               | Card No.   | Replaces No. |
| POUNDS         | GALLONS                | MATERIAL No. | Customer S W Co.                                                                                                              |            |              |
| 325            |                        | 20 L         | To Match Std.                                                                                                                 |            |              |
| 100            |                        | 2174         |                                                                                                                               |            |              |
| 295            |                        | 414          | Reason for Revision To use 414 in place                                                                                       |            |              |
| 175            |                        | 18           | (19 g1 (3316) of 412                                                                                                          |            |              |
| ?              |                        | BB 10        | (24 3/8 (2)                                                                                                                   |            |              |
| ?              |                        | BO 31        | (5 CW 2035                                                                                                                    |            |              |
| ?              |                        | BO 30        | Viscosity 25-30" @ 75 deg F. at hrs. after grind                                                                              |            |              |
| 6              | 3/4                    | (12W)        | Viscosity On 3 Cup at hrs. after grind                                                                                        |            |              |
| 152            | 19                     | (48)         | % Solids (Run)                                                                                                                |            |              |
| 110            | 14 3/8                 | (2)          | Wt./Gal T 14.33                                                                                                               |            |              |
| 116            | 15                     | CW 2035      | Baume 24                                                                                                                      |            |              |
| 5 1/4          | 3/4                    | (543)        | Std. of Fineness 3H                                                                                                           |            |              |
| 9 1/4          | 1 1/4                  | (4230)       | Normal Output 100                                                                                                             |            |              |
| 3 1/2          | 1/2                    | (4232)       | Est. Mfg. Loss 2%                                                                                                             |            |              |
| 133            | 20 1/2                 | (348)        | Department                                                                                                                    |            |              |
| 27             | 4                      | (141)        | DATE Package 4/5/48                                                                                                           |            |              |
| 325            | 20 L                   | or           | Parallel No.                                                                                                                  |            |              |
| 156            | 1989                   | 200 2203     | Royalty: Yes <input type="checkbox"/> ; No <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |            |              |
| 156            | 2201                   | 100 2201     | Label Analysis Checked-Date                                                                                                   |            |              |
|                |                        |              | Label: No Red <input type="checkbox"/> ; Red <input type="checkbox"/>                                                         |            |              |
|                |                        |              | New Std. Sample Required                                                                                                      |            |              |
|                |                        |              | Date Rec'd                                                                                                                    |            |              |
|                |                        |              | Mfg. Bleed?                                                                                                                   |            |              |
|                |                        |              | Lbs. of Gals. per hour                                                                                                        |            |              |
|                |                        |              | Approved                                                                                                                      |            |              |
|                |                        |              | Formulator                                                                                                                    |            |              |
|                |                        |              | Supt.                                                                                                                         |            |              |

0007-SWP-062273

When using BW 102 and (48)

**MANUFACTURING INSTRUCTIONS:**  
 use 205# of BW 102 in place of 175# of 18  
 dry use 10 7/8 gl of (2) in place of 14 3/8 gl of (2) and use 72gl  
 of 12W in place of 3/4 gl of 12W. When using BW 102 and 48 use 205#  
 BW 102 in place of 24 3/8 gl of (2) use 1/2 gl of 12W in place of  
 3/4 gl 12W.

Application: Surface Buildings No. Coats One  
 Undercoater Used \_\_\_\_\_ No. Coats \_\_\_\_\_

Method 1 Brush  
 Reduction: Amount \_\_\_\_\_ Reducer Used \_\_\_\_\_

Method 2 \_\_\_\_\_  
 Reduction: Amount \_\_\_\_\_ Reducer Used \_\_\_\_\_

Drying Time: Touch 6hrs. Recoat 4-5 days Stencil \_\_\_\_\_  
 Hard \_\_\_\_\_ Sand \_\_\_\_\_ Handle \_\_\_\_\_  
 Tack Free \_\_\_\_\_ Rub \_\_\_\_\_ Wrap \_\_\_\_\_

Baking Time and Temp. \_\_\_\_\_  
 Gloss Oil Film Med. Hard, Elastic

Special Tests It is permissible to replace up  
to 8 gl of (2) with 8 gl of (798) to  
get proper flow.

*8/10/47 8/15/48*

| FACTORY           | FORMULA | SPEC. CARD |
|-------------------|---------|------------|
| Exec. Cost Dept.  | "       |            |
| Cleveland         | A       | "          |
| Kensington        | C       | " 9-30-47  |
| Allied Research   | "       |            |
| Kens. Tech. Serv. | "       |            |
| Kens. Lacquer     |         |            |
| Newark            | N       | "          |
| Oakland           | O       | "          |
| M. Senour         | M       | "          |
| Detroit           | D       | "          |
| Los Angeles       | P       | "          |
| Dallas            | T       | "          |
| Dayton            | B       | "          |
| Gibbsboro         | F       | "          |
| Pittsburgh        | H       |            |
| Cuba              | V       | "          |
| Montreal          | "       | "          |
| Buenos Aires      | Z       | "          |
| Brazil            | "       | "          |
| <i>Others</i>     | "       | "          |

0007-SWP-062274

Attach to Rx-477 Card #3

|                   |      |    |                  |      |
|-------------------|------|----|------------------|------|
| 191 $\frac{1}{2}$ | 20 L | or | 93 $\frac{1}{2}$ | 1989 |
|                   |      |    | 93 $\frac{1}{2}$ | 2201 |
|                   |      | or | 117              | 2203 |
|                   |      |    | 59               | 2201 |

0007-SWP-062275

3-31-47  
All factories closing  
V. Mill, Plann. 18

# FORMULA RECORD

A135 WHITE 9-46 3311 D

Exp. No.

Date 2-18-47

Class 6

Rev. No. 477

Name

S W P Westchester Gray

Card No.

Replaces No.

| POUNDS | GALLONS | MATERIAL No.        | Customer | Reason for Revision                                                                                                                          |
|--------|---------|---------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 191    |         | 20 L                | S W P.   | To Match Std.                                                                                                                                |
| 224    |         | 21A0                |          |                                                                                                                                              |
| 400    |         | 412                 |          | To Conserve TiO <sub>2</sub>                                                                                                                 |
| 82     |         | BW 102              |          | 18 dry                                                                                                                                       |
| ?      |         | BB 10               |          | 1 3/8 Gal (5091)                                                                                                                             |
| ?      |         | BO 31               |          | 1/8 Gal (12 W)                                                                                                                               |
| ?      |         | BO 30               |          |                                                                                                                                              |
| 5      | 5/8     | ( 12 ) W            |          | Viscosity 25-30" @ 75° at hrs. after grind                                                                                                   |
| 216    | 28      | ( 2 )               |          | Viscosity On 3 Cup at hrs. after grind                                                                                                       |
| 152    | 19 1/4  | ( 48 ) (48) 3/4 1/4 |          | % Solids (Run) Royalty: Yes <input type="checkbox"/> ; No <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |
|        |         | ( 2325 ) 3/4 1/4    |          | Label Analysis Checked-Date                                                                                                                  |
| 5 1/4  | 3/4     | ( 543 )             |          | Label: No Red <input type="checkbox"/> ; Red <input type="checkbox"/>                                                                        |
| 13 1/4 | 1 1/4   | ( 4230 )            |          | New Std. Sample Required                                                                                                                     |
| 136    | 21      | ( 348 )             |          | Date Rec'd                                                                                                                                   |
| 27     | 2 1/4   | ( 141 ) 3/25/47     |          | Mill Bleed?                                                                                                                                  |
|        |         |                     |          | Lbs. or Gals. per hour                                                                                                                       |
|        |         |                     |          | Approved                                                                                                                                     |
|        |         |                     |          | Formulator <u>Sam Kiecy</u>                                                                                                                  |
|        |         |                     |          | Supt. <u>876</u>                                                                                                                             |

0007-SWP-062277

[illegible]

0007-SWP-062278

Attach to Rx 477 Card 3 Alt. A.

275# 20 L or  $\begin{cases} 133\# & 1989 \\ 133\# & 2201 \end{cases}$

or  $\begin{cases} 170\# & 2203 \\ 82\# & 2201 \end{cases}$

3-31-47

All factories including  
V-Mello - Green Plains T-S

| FORMULA RECORD |                        |                | Alt. 4-25 WHITE 4-46 3311 D                                                                                                   |                     |
|----------------|------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Exp. No.       | Date 2-18-47           | Class 6        | Rev. No. 177                                                                                                                  | 4                   |
| Name           | S W P Westchester Gray |                | Card No. 3                                                                                                                    | Replaces No. 2      |
| POUNDS         | GALLONS                | MATERIAL NO.   | Customer                                                                                                                      | S W P               |
| 275            |                        | 20 L           | To Match                                                                                                                      | Std.                |
| 56             |                        | 2174           |                                                                                                                               |                     |
| 540            |                        | 412            |                                                                                                                               |                     |
| 169            |                        | 102            | Reason for Revision                                                                                                           | 18 dry              |
| ?              |                        | BB 10          |                                                                                                                               | 8 gal (5091)        |
| ?              |                        | BO 31          |                                                                                                                               | Gal (12 W)          |
| ?              |                        | BO 30          | Viscosity                                                                                                                     | 25-30" 75°          |
| 203            | 26 3/8                 | ( 2)           |                                                                                                                               | On 3 Cup            |
| 152            | 19 1/4                 | ( 48) (48) 1/4 | Viscosity                                                                                                                     | at hrs. after grind |
|                |                        | ( 235) 4 3/4   | % Solids (Run)                                                                                                                | at hrs. after grind |
| 5 1/4          | 3/4                    | ( 543)         | Wt./Gal                                                                                                                       | 15.26               |
| 13 1/4         | 1 1/4                  | ( 4230)        | Baume                                                                                                                         | 38                  |
| 133            | 20 1/2                 | ( 348)         | Std. of Fineness                                                                                                              | 100                 |
| 27             | 4                      | ( 141)         | Normal Output                                                                                                                 | 2%                  |
|                |                        |                | Est. Mfg. Loss                                                                                                                |                     |
|                |                        |                | Department                                                                                                                    |                     |
|                |                        |                | Package                                                                                                                       |                     |
|                |                        |                | Parallel No.'s                                                                                                                |                     |
|                |                        |                | Royalty: Yes <input type="checkbox"/> ; No <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |                     |
|                |                        |                | Label Analysis Checked-Date                                                                                                   |                     |
|                |                        |                | Label: No Red <input type="checkbox"/> ; Red <input type="checkbox"/>                                                         |                     |
|                |                        |                | New-Std. Sample Required                                                                                                      |                     |
|                |                        |                | Date Rec'd                                                                                                                    |                     |
|                |                        |                | Mill                                                                                                                          | Bleed?              |
|                |                        |                | Lbs. or Gals. per hour                                                                                                        |                     |
|                |                        |                | Approved                                                                                                                      |                     |
|                |                        |                | Formulated                                                                                                                    |                     |
|                |                        |                | Supt.                                                                                                                         |                     |

0007-SWP-062281

| MANUFACTURING INSTRUCTIONS:                                    |  |  | DATE              | SLIP No. | AMOUNT         |
|----------------------------------------------------------------|--|--|-------------------|----------|----------------|
|                                                                |  |  |                   |          |                |
|                                                                |  |  |                   |          |                |
|                                                                |  |  |                   |          |                |
| Application: Surface <u>Buildings</u> No. Coats <u>One</u>     |  |  | <u>2-21-47</u>    |          |                |
| Undercoater Used No. Coats                                     |  |  | <u>2-24-47</u>    |          |                |
| Method 1 <u>Brush</u>                                          |  |  | FACTORY           | FORMULA  | SPEC. CARD     |
| Reduction: Amount Reducer Used                                 |  |  | Exec. Cost Dept.  | <u>u</u> |                |
| Method 2                                                       |  |  | Cleveland         | <u>u</u> |                |
| Reduction: Amount Reducer Used                                 |  |  | Kensington        | <u>u</u> | <u>2-21-47</u> |
| Drying Time: Touch <u>6 hrs</u> Recoat <u>4-5 days</u> Stencil |  |  | Allied Research   | <u>u</u> |                |
| Hard Sand Handle                                               |  |  | Kens. Tech. Serv. | <u>u</u> |                |
| Tack Free Rub Wrap                                             |  |  | Kens. Lacquer     |          |                |
| Baking Time and Temp.                                          |  |  | Newark            | <u>u</u> |                |
| Gloss <u>Mat</u> Film <u>Med. Hard, Elastic</u>                |  |  | Oakland           | <u>u</u> |                |
| Special Tests                                                  |  |  | M. Senour         | <u>u</u> |                |
|                                                                |  |  | Detroit           | <u>u</u> |                |
|                                                                |  |  | Los Angeles       | <u>u</u> |                |
|                                                                |  |  | Dallas            | <u>u</u> |                |
|                                                                |  |  | Dayton            | <u>u</u> |                |
|                                                                |  |  | Gibbsboro         | <u>u</u> |                |
|                                                                |  |  | Pittsburgh        | <u>u</u> |                |
|                                                                |  |  | Cuba              | <u>u</u> |                |
|                                                                |  |  | Montreal          | <u>u</u> |                |
|                                                                |  |  | Buenos Aires      | <u>u</u> |                |
|                                                                |  |  | Brazil            | <u>u</u> |                |
| <u>45/9/47 ed 6/24/47</u>                                      |  |  | <u>Man</u>        | <u>u</u> |                |

| FORMULA RECORD                |         |                | Alt. C                                                                                                                  |  | A135 WHITE 9-46 3311 D |     |
|-------------------------------|---------|----------------|-------------------------------------------------------------------------------------------------------------------------|--|------------------------|-----|
| Exp. No.                      | Date    | Class          | 6                                                                                                                       |  | Rev. No.               | 477 |
| * Name S W P Westchester Gray |         |                | Card 13                                                                                                                 |  | Replaces No. 2         |     |
| POUNDS                        | GALLONS | MATERIAL No.   | Customer                                                                                                                |  |                        |     |
| 275                           |         | 20 L           | To Match                                                                                                                |  |                        |     |
| 56                            |         | 2174           | Corrects card Alt C dated 3-26-47                                                                                       |  |                        |     |
| 113                           |         | 114            | Reason for Revision Use 114 in place of 112 in                                                                          |  |                        |     |
| 317                           |         | BW 102 or 272# | 18 dry card 3 Alt. A.                                                                                                   |  |                        |     |
| ?                             |         | BB 10          | Gal (5091) - 1/2 Gal (12 W)                                                                                             |  |                        |     |
| ?                             |         | BO 31          | Viscosity 25-30" 750                                                                                                    |  |                        |     |
| ?                             |         | BO 30          | Viscosity On 3 Dup                                                                                                      |  |                        |     |
| 187                           | 24 1/8  | (2)            | % Solids (Run)                                                                                                          |  |                        |     |
| 152                           | 19 1/4  | (48)           | Royalty: Yes <input type="checkbox"/> No <input type="checkbox"/> X <input type="checkbox"/> W <input type="checkbox"/> |  |                        |     |
|                               |         | (2345)         | Label Analysis Checked - Date                                                                                           |  |                        |     |
| 5 1/4                         | 3/4     | (543)          | Label: No Rec <input type="checkbox"/> Red <input type="checkbox"/>                                                     |  |                        |     |
| 9 1/4                         | 1 1/4   | (4230)         | New Std. Sample Required                                                                                                |  |                        |     |
| 133                           | 20 1/2  | (348)          | Date Rec'd                                                                                                              |  |                        |     |
| 27                            | 4       | (111)          | Mill                                                                                                                    |  |                        |     |
| 275# 20 L or                  |         | 133# 1989      | Bleed?                                                                                                                  |  |                        |     |
|                               |         | 133 2201       | Lbs. or Gals. per hour                                                                                                  |  |                        |     |
|                               |         | 170# 2203      | Approved                                                                                                                |  |                        |     |
|                               |         | 82# 2201       | Formulation                                                                                                             |  |                        |     |
|                               |         | or             | Supt.                                                                                                                   |  |                        |     |



A135 WHITE 5-5.3311 D

| POUNDS | GALLONS | MATERIAL NO.      | Customer            | S W Company                                                                                                                   |
|--------|---------|-------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 191    |         | 20 L              | To Match            | Std.                                                                                                                          |
| 224    |         | 2140              |                     |                                                                                                                               |
| 306    |         | 414               |                     |                                                                                                                               |
| 191    |         | EW 102 or { 164 # | Reason for Revision | To use 414 in place of                                                                                                        |
| ?      |         | BB 10 { 3 1/4     | 18 dry              | 412 in Card 3.                                                                                                                |
| ?      |         | BO 31 { 3/8 gal   | (5091)              |                                                                                                                               |
| ?      |         | BO 30 { 1 (12 W)  | Viscosity           | 25-30" @ 75 °F on at hrs. after gring                                                                                         |
| 3      | 3/B     | (12 W)            | Viscosity #3 cup    | at hrs. after gring                                                                                                           |
| 202    | 26 1/8  | (2 )              | % Solids (Run)      | Royalty: Yes <input type="checkbox"/> ; No <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |
| 152    | 19 1/4  | (48 ) (48) 1/4    | Wt. Gal             | 14.20                                                                                                                         |
|        | 5       | (2328) 48 5/8     | Baume               | Label Analysis Checked-Date                                                                                                   |
| 5 1/4  | 3/4     | (543 )            | Std. of Fineness    | Label: No Red <input type="checkbox"/> ; Red <input type="checkbox"/>                                                         |
| 9 1/4  | 1 1/4   | (4230)            | Normal Output       | 100                                                                                                                           |
| 140    | 21 1/2  | (348 )            | Est. Mig. Los       | 2%                                                                                                                            |
| 27     | 4       | (141 )            | Department          | New Std. Sample Required                                                                                                      |
| 191#   | 20 L or | { 93# 1989        | Package             | Date Rec'd                                                                                                                    |
|        |         | { 93# 2201 or     | Parallel No.'s      | Mill Bleed?                                                                                                                   |
| * OVER |         |                   |                     | Lbs. or Gals. per hour                                                                                                        |
|        |         |                   |                     | Approved                                                                                                                      |
|        |         |                   |                     | Formulator                                                                                                                    |
|        |         |                   |                     | Suit                                                                                                                          |

$$L_{\infty} = \begin{pmatrix} 117 \# & 2203 \\ 59 \# & 2201 \end{pmatrix}$$

### Method Brush

Reduction: Amount..... Reducer Used.....

### Method 2.

**Reduction: Amount** \_\_\_\_\_ **Reducer Used** \_\_\_\_\_

Drying Time: Touch 6 hrs Recoat 4-5 days Stencil

**Hard Sand Handle**

**Tack Free**.....**Rub**.....**Wrap**

### Baking Time and Temp.

Gloss Oil Film Med. Hard, Elastic

### Special Tests.

85/9/47 86/24/47

[illegible]

| FACTORY           | FORMULA | SPEC. CARD |
|-------------------|---------|------------|
| Exec. Cost Dept.  | "       |            |
| Cleveland A       | "       |            |
| Kensington C      | "       | 3-28-42    |
| Allied Research   | "       |            |
| Kens. Tech. Serv. | "       |            |
| Kens. Lacquer     | "       |            |
| Newark N          | "       |            |
| Oakland O         | "       |            |
| M. Senior M       | "       |            |
| Detroit D         | "       |            |
| Los Angeles P     | "       |            |
| Dallas T          | "       |            |
| Dayton B          | "       |            |
| Gibbsboro F       | "       |            |
| Pittsburgh H      | "       |            |
| Cuba V            | "       |            |
| Montreal          | "       |            |
| Buenos Aires Z    | "       |            |
| Brady             | "       |            |

# FORMULA RECORD

A135 WHITE 9-46 3211 D

Exp. No.

Date **2-6-47**

Class **6**

Rev. No. **477**

Name

**S W P Westchester Gray**

Card No. **2**

Replaces No. **1**

| POUNDS | GALLONS | MATERIAL No.              | Customer                                                                                                                      |
|--------|---------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 325    |         | 20 L                      | <b>S W Co.</b>                                                                                                                |
| 100    |         | 2174                      | To Match <b>Std.</b>                                                                                                          |
| 100    |         | 412                       |                                                                                                                               |
| 82     |         | BW 102 or <b>70% Lead</b> | Reason for Revision <b>To conserve Linseed Oil</b>                                                                            |
| ?      |         | BB 10 <b>1 3/8 (5091)</b> |                                                                                                                               |
| ?      |         | BO 31 <b>1/8 (12 W)</b>   |                                                                                                                               |
| ?      |         | BO 30                     | Viscosity <b>25-30" 75°F</b> at _____ hrs. after grind                                                                        |
| 5      | 5/8     | ( 12 ) W                  | Viscosity <b>On 3 Cup</b> at _____ hrs. after grind                                                                           |
| 147    | 19      | ( 2 )                     | % Solids (Run) _____                                                                                                          |
| 31     | 4       | ( 798 )                   | Wt./Gal. <b>14.29</b>                                                                                                         |
| 191    | 24      | (3316)                    | Baume _____                                                                                                                   |
| 5 1/4  | 3/4     | ( 543 )                   | Std. of Fineness <b>3H</b>                                                                                                    |
| 9 1/4  | 1 1/4   | (4230)                    | Normal Output <b>100</b>                                                                                                      |
| 3 1/2  | 9/16    | (4232)                    | Est. Mfg. Loss <b>2%</b>                                                                                                      |
| 133    | 20 1/2  | ( 348 )                   | Department _____                                                                                                              |
| 27     | 4       | ( 141 )                   | Package _____                                                                                                                 |
|        |         |                           | Parallel No.'s _____                                                                                                          |
|        |         |                           | Royalty: Yes <input type="checkbox"/> ; No <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |
|        |         |                           | Label Analysis Checked-Date _____                                                                                             |
|        |         |                           | Label: No Red <input checked="" type="checkbox"/> ; Red <input type="checkbox"/>                                              |
|        |         |                           | New Std. Sample Required _____                                                                                                |
|        |         |                           | Date Rec'd _____                                                                                                              |
|        |         |                           | Mfr. <b>Roller</b> Bleed? _____                                                                                               |
|        |         |                           | Lbs. or Gals. per hour _____                                                                                                  |
|        |         |                           | Approved <b>Sam Huey</b>                                                                                                      |
|        |         |                           | Formulator _____                                                                                                              |
|        |         |                           | Supt. <b>876</b>                                                                                                              |

0007-SWP-062287

## 47

| FACTORY           | FORMULA | SPEC. CARD |
|-------------------|---------|------------|
| Exec. Cost Dept.  | "       |            |
| Cleveland A       | "       |            |
| Kensington C      | "       | 2-20-7     |
| Allied Research   | "       |            |
| Kens. Tech. Serv. | "       |            |
| Kens. Lacquer     |         |            |
| Newark N          | "       |            |
| Oakland O         | "       |            |
| M. Senour M       | "       |            |
| Detroit D         | "       |            |
| Los Angeles P     | "       |            |
| Dallas T          | "       |            |
| Dayton B          | "       |            |
| Gibbsboro F       | "       |            |
| Pittsburgh H      | "       |            |
| Cuba V            | "       |            |
| Montreal          | "       |            |
| Buenos Aires Z    | "       |            |
| Brazil            | "       |            |

| FORMULA RECORD |                      |              | A135 WHITE                                                                                   |   |
|----------------|----------------------|--------------|----------------------------------------------------------------------------------------------|---|
| Exp. No.       | Date                 | 8/1/47       | Class                                                                                        | 6 |
| Name           | SWP Westchester Gray |              | Replaces No.                                                                                 | 3 |
| Card No.       | 4                    |              |                                                                                              |   |
| POUNDS         | GALLONS              | MATERIAL No. | Customer S W Co.                                                                             |   |
| 191            |                      | 20 L         | To Match Std.                                                                                |   |
| 224            |                      | 2140         |                                                                                              |   |
| 400            |                      | 412          | Reason for Revision To use when 2174 is not available.                                       |   |
| 70             |                      | 18           |                                                                                              |   |
| ?              |                      | BB 10        |                                                                                              |   |
| ?              |                      | BO 31        |                                                                                              |   |
| ?              |                      | BO 30        |                                                                                              |   |
| 6              | 3/4                  | (12) W       | Viscosity 25-30" @ 75° On 3" hp hrs. after grind                                             |   |
| 227            | 29 3/8               | (2)          | Viscosity hrs. after grind                                                                   |   |
| 150            | 19                   | (3316)       | % Solids (Run)                                                                               |   |
| 5 1/4          | 3/4                  | (543)        | Wt./Gal. T 14.15                                                                             |   |
| 9 1/4          | 1 1/4                | (4230)       | Baume                                                                                        |   |
| 3 1/2          | 1/2                  | (4232)       | Std. of Fineness                                                                             |   |
| 133            | 20 1/2               | (348)        | Normal Comp.                                                                                 |   |
| 27             | 4                    | (141)        | Est. Mfg. Loss 2%                                                                            |   |
| 191#           | 20                   | L or         | Department                                                                                   |   |
| 93#            | 1989                 | 117# 2203    | Package                                                                                      |   |
| 93#            | 2201                 | 59 2201      | Parallel No.'s                                                                               |   |
|                |                      |              | Royalty: Yes <input type="checkbox"/> No <input type="checkbox"/> W <input type="checkbox"/> |   |
|                |                      |              | Label Analysis Checked-Date                                                                  |   |
|                |                      |              | Label: No Red <input checked="" type="checkbox"/> Red <input type="checkbox"/>               |   |
|                |                      |              | New Std. Sample Required                                                                     |   |
|                |                      |              | Date Rec'd.                                                                                  |   |
|                |                      |              | Mill Roller <input checked="" type="checkbox"/> Bleed?                                       |   |
|                |                      |              | Lbs. or Gals. per hour                                                                       |   |
|                |                      |              | Approved                                                                                     |   |
|                |                      |              | Formulator Sam Hickey                                                                        |   |
|                |                      |              | Supt. S.F.C.W.                                                                               |   |

0007-SWP-062289

**MANUFACTURING INSTRUCTIONS:** It is permissible to use up to 4 gal of (798 in place of 4 gal of (2) to get better flow. When using BW 102

Replace: 70# 18 dry with 82# BW 102; 28 gal of (2); 3/4 gal 12 W with 1/8 gal 12W

Application: Surface Buildings No. Coats. One

Undercoater Used No. Coats.

Method 1 Brush

Reduction: Amount Reducer Used

Method 2

Reduction: Amount Reducer Used

Drying Time: Touch 6 hrs. Recoat 4-5 days Stencil

Hard Sand Handle

Tack Free Rub Wrap

Baking Time and Temp.

Gloss Oil Film Med. Hard, Elastic

Special Tests

8/2/47

| DATE                            | SLIP No. | AMOUNT     |
|---------------------------------|----------|------------|
| 29 3/8 gal (2) with 1/8 gal 12W | 8-8-47   |            |
| V. Miller                       | "        |            |
| Byrum                           | "        |            |
| Myung                           | "        |            |
| FACTORY                         | FORMULA  | SPEC. CARD |
| Exec. Cost Dept.                | "        |            |
| Cleveland                       | A        | "          |
| Kensington                      | C        | 8-8-47     |
| Allied Research                 | "        |            |
| Kens. Tech. Serv.               | "        |            |
| Kens. Lacquer                   | "        |            |
| Newark                          | N        | "          |
| Oakland                         | O        | "          |
| M. Senour                       | M        | "          |
| Detroit                         | D        | "          |
| Los Angeles                     | P        | "          |
| Dallas                          | T        | "          |
| Dayton                          | B        | "          |
| Gibbsboro                       | F        | "          |
| Pittsburgh                      | H        | "          |
| Cuba                            | V        | "          |
| Montreal                        | "        | "          |
| Buenos Aires                    | Z        | "          |
| Brazil                          | "        | "          |

| FORMULA RECORD                   |                     |                  | A135 WHITE                                                                                                                    |                       |
|----------------------------------|---------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Exp. <u>7/31/47</u>              | Date <u>7/31/47</u> | Class <u>6</u>   | Rex. No. <u>477</u>                                                                                                           |                       |
| Name <u>SWP Westchester Gray</u> |                     |                  | Card No. <u>4</u>                                                                                                             | Replaces No. <u>3</u> |
| POUNDS                           | GALLONS             | MATERIAL No.     | Customer <u>S W P</u>                                                                                                         |                       |
| <u>325</u>                       |                     | <u>20 L</u>      | To Match <u>Std.</u>                                                                                                          |                       |
| <u>100</u>                       |                     | <u>204 2174</u>  | <u>8/14/47</u>                                                                                                                |                       |
| <u>400</u>                       |                     | <u>412</u>       | Reason for Revision <u>To use (3316) in place of</u>                                                                          |                       |
| <u>70</u>                        |                     | <u>18</u>        | <u>19 gal. (48)</u>                                                                                                           |                       |
| <u>?</u>                         |                     | <u>BB 10</u>     |                                                                                                                               |                       |
| <u>?</u>                         |                     | <u>BO 31</u>     |                                                                                                                               |                       |
| <u>?</u>                         |                     | <u>BO 30</u>     |                                                                                                                               |                       |
| <u>6</u>                         | <u>3/4</u>          | <u>(12)W</u>     | Viscosity <u>25-30" @ 75°</u> On <u>3</u> <u>Q</u> <u>hrs.</u> after grind                                                    |                       |
| <u>227</u>                       | <u>29 3/8</u>       | <u>( 2 )</u>     | Viscosity <u>at</u> <u>hrs.</u> after grind                                                                                   |                       |
| <u>150</u>                       | <u>19</u>           | <u>(3316)</u>    | % Solids (Run) <u>14.27</u>                                                                                                   |                       |
| <u>5 1/4</u>                     | <u>3/4</u>          | <u>(543)</u>     | Wt./Gal. <u>T 14.27</u>                                                                                                       |                       |
| <u>9 1/4</u>                     | <u>1 1/4</u>        | <u>(4230)</u>    | Baume <u>24</u>                                                                                                               |                       |
| <u>3 1/2</u>                     | <u>1/2</u>          | <u>(4232)</u>    | Std. of Fineness <u>31</u>                                                                                                    |                       |
| <u>133</u>                       | <u>20 1/2</u>       | <u>( 348 )</u>   | Normal Output <u>100</u>                                                                                                      |                       |
| <u>27</u>                        | <u>4</u>            | <u>( 141 )</u>   | Est. Mfg. Loss <u>2%</u>                                                                                                      |                       |
| <u>325#</u>                      | <u>20 L</u>         | <u>or</u>        | Department <u></u>                                                                                                            |                       |
| <u>156#</u>                      | <u>1989</u>         | <u>200# 2203</u> | Package <u></u>                                                                                                               |                       |
| <u>156#</u>                      | <u>2201</u>         | <u>or</u>        | Parallel No.'s <u></u>                                                                                                        |                       |
|                                  |                     | <u>160# 2201</u> | Royalty: Yes <input type="checkbox"/> ; No <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |                       |
|                                  |                     |                  | Label Analysis Checked-Date <u></u>                                                                                           |                       |
|                                  |                     |                  | Label: No Red <input checked="" type="checkbox"/> ; Red <input type="checkbox"/>                                              |                       |
|                                  |                     |                  | New Std. Sample Required <u></u>                                                                                              |                       |
|                                  |                     |                  | Date Rec'd <u></u>                                                                                                            |                       |
|                                  |                     |                  | Mill <u>Roller</u> <u>Bleed?</u>                                                                                              |                       |
|                                  |                     |                  | Lbs. or Gals. per hour <u></u>                                                                                                |                       |
|                                  |                     |                  | Approved <u>S.F.Cw</u>                                                                                                        |                       |
|                                  |                     |                  | Formulator <u>S.F.Cw</u>                                                                                                      |                       |
|                                  |                     |                  | Supt. <u>S.F.Cw</u>                                                                                                           |                       |



| FORMULA RECORD                     |                    |                | Alt. A 4135 WHITE 9-46 321 D |                       |
|------------------------------------|--------------------|----------------|------------------------------|-----------------------|
| Exp. No.                           | Date <u>2-6-47</u> | Class <u>6</u> | Res. No. <u>477</u>          | Replaces No. <u>1</u> |
| Name <u>S W P Westchester Gray</u> |                    |                | Card No. <u>2</u>            |                       |

  

| POUNDS | GALLONS | MATERIAL No.  | Customer                                     |
|--------|---------|---------------|----------------------------------------------|
| 191    |         | 20 L          | S W Co.                                      |
| 224    |         | 2140          | To Match Std.                                |
| 400    |         | 412           |                                              |
| 82     |         | BW 102 or 70# | Reason for Revision To use 2140 dry in place |
| ?      |         | BB 10         | Lead of 2174 is 2174 is                      |
| ?      |         | BO 31         | 8 Gal (5091) not available.                  |
| ?      |         | BO 30         | Gal (12W)                                    |
| 147    | 19      | (2)           | Viscosity 25-30" 75° at hrs. after grind     |
| 191    | 24      | (3316)        | Viscosity On 3 Cup at hrs. after grind       |
| 31     | 4       | (798)         | % Solids (Run)                               |
| 5 1/4  | 3/4     | (543)         | WL/Gal 14.20                                 |
| 9 1/2  | 1 1/4   | (4230)        | Baume                                        |
| 3 1/2  | 9/16    | (4232)        | Std. of Fineness 3H                          |
| 138    | 21 1/4  | (348)         | Normal Output 100                            |
| 27     | 4       | (141)         | Est. Mig. Loss 2%                            |
|        |         |               | Department                                   |
|        |         |               | Package                                      |
|        |         |               | Parallel No.'s                               |

  

|                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------|
| Royalty: Yes <input type="checkbox"/> ; No <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |
| Label Analysis Checked-Date                                                                                                   |
| Label: No Red <input type="checkbox"/> ; Red <input type="checkbox"/>                                                         |
| New Std. Sample Required                                                                                                      |
| Date Rec'd                                                                                                                    |
| Mill Bleed?                                                                                                                   |
| Lbs. or Gals. per hour                                                                                                        |
| Approved <i>Sam Huey</i>                                                                                                      |
| Formulator <i>S F L</i>                                                                                                       |
| Supt.                                                                                                                         |

0007-SWP-062293

## 477

### Special Tests

| DATE                         | SLIP No.       | AMOUNT         |
|------------------------------|----------------|----------------|
| <p><i>Monday 2-20-47</i></p> |                |                |
| FACTORY                      | FORMULA        | SPEC. CARD     |
| Exec. Cost Dept.             | <i>2-20-47</i> |                |
| Cleveland                    | A <i>11</i>    |                |
| Kensington                   | C <i>11</i>    | <i>2-20-47</i> |
| Allied Research              | <i>11</i>      |                |
| Kens. Tech. Serv.            | <i>11</i>      |                |
| Kens. Lacquer                |                |                |
| Newark                       | N <i>11</i>    |                |
| Oakland                      | O <i>11</i>    |                |
| M. Senour                    | M <i>11</i>    |                |
| Detroit                      | D <i>11</i>    |                |
| Los Angeles                  | P <i>11</i>    |                |
| Dallas                       | T <i>11</i>    |                |
| Dayton                       | B <i>11</i>    |                |
| Gibbsboro                    | F <i>11</i>    |                |
| Pittsburgh                   | H <i>11</i>    |                |
| Cuba                         | V <i>11</i>    |                |
| Montreal                     | <i>11</i>      |                |
| Buenos Aires                 | Z <i>11</i>    |                |
| Brazil                       | <i>11</i>      |                |
| <p><i>Plam</i></p>           |                |                |

A135 WHITE 9-46 3312 D

**Reg. No.** 477

Card No. 2 Replaces No. 1

0007-SWP-062295

If formula gives too much flow replace (798) with (2).

**Method 1** **Brush**

Reduction: Amount..... Reducer Used.....

## Method 2

| Reduction: Amount | Reducer Used |
|-------------------|--------------|
| 100%              | 100%         |
| 90%               | 90%          |
| 80%               | 80%          |
| 70%               | 70%          |
| 60%               | 60%          |
| 50%               | 50%          |
| 40%               | 40%          |
| 30%               | 30%          |
| 20%               | 20%          |
| 10%               | 10%          |
| 0%                | 0%           |

Drying Time: Touch 6 Hrs Recoat 4-5 Days Stencil

**Hard Sand Handle**

**Tack Free** ..... **Rub** ..... **Wrap**

Baking Time and Temp. \_\_\_\_\_ Med, Hard, Elastic  
Gloss Oil Film \_\_\_\_\_

### Special Tests.

| DATE | SLIP No. | AMOUNT |
|------|----------|--------|
|------|----------|--------|

Open 2-20-47

| FACTORY | FORMULA | SPEC. CARD |
|---------|---------|------------|
|---------|---------|------------|

|                   |   |    |         |
|-------------------|---|----|---------|
| Exec. Cost Dept.  | A | 2  |         |
| Cleveland         | A | 11 |         |
| Kensington        | C | 11 | 2-20-41 |
| Allied Research   |   | 11 |         |
| Kens. Tech. Serv. |   | 11 |         |
| Kens. Lacquer     |   | 11 |         |
| Newark            | N | 11 |         |
| Oakland           | O | 11 |         |
| M. Senour         | M | 11 |         |
| Detroit           | D | 11 |         |
| Los Angeles       | P | 11 |         |
| Dallas            | T | 11 |         |
| Dayton            | B | 11 |         |
| Gibbsboro         | F | 11 |         |
| Pittsburgh        | H | 11 |         |
| Cuba              | V | 11 |         |
| Montreal          |   | 11 |         |
| Buenos Aires      | Z | 11 |         |
| Brazil            |   | 11 |         |
| <i>Plann</i>      |   | 11 |         |

| FORMULA RECORD |                        |              | A135 WHITE 1-45 3043                                                                                                          |              |
|----------------|------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|
| Exp. No.       | Date                   | Class        | 6 TS                                                                                                                          | Rev. No. 477 |
| Name           | S W P Westchester Gray |              | Card No. 1 Replaces No.                                                                                                       |              |
| POUNDS         | GALLONS                | MATERIAL NO. | Customer S.W.CO.                                                                                                              |              |
| 525            |                        | 20 L         | To Match New color                                                                                                            |              |
| 100            |                        | 2174         | 3.74 lb Oil / 9 L.M. 9.7-45                                                                                                   |              |
| 400            |                        | 412          | Reason for Revision per V. Mills letter                                                                                       |              |
| 82             |                        | BW 102-over  | 7/30/45 Subj. Re-Aligning Trade                                                                                               |              |
| ?              |                        | BB 10        | Sales Rex.-numbers.                                                                                                           |              |
| ?              |                        | BO 31        | SUPERSEDES REX-374                                                                                                            |              |
| ?              |                        | BO 30        | Viscosity 25-30" @ 75° #3 at SW hrs. after grind                                                                              |              |
|                |                        |              | Viscosity at hrs. after grind                                                                                                 |              |
|                |                        |              | % Solids (Run)                                                                                                                |              |
|                | 5/8                    | ( 12 ) W     | Wt./Gal. T 14.37                                                                                                              |              |
|                | 28                     | ( 2 )        | Baume                                                                                                                         |              |
|                | 19                     | ( 48 )       | Std. of Fineness 3H                                                                                                           |              |
|                | 3/4                    | ( 543 )      | Normal Output 100                                                                                                             |              |
|                | 1 1/4                  | ( 4230 )     | Est. Mfg. Loss 2%                                                                                                             |              |
|                | 21                     | ( 348 )      | Department B                                                                                                                  |              |
|                | 4                      | ( 141 )      | Package                                                                                                                       |              |
|                |                        |              | Parallel No.'s                                                                                                                |              |
|                |                        |              | Royalty: Yes <input type="checkbox"/> ; No <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |              |
|                |                        |              | Label Analysis Checked-Date                                                                                                   |              |
|                |                        |              | Label: No Red <input type="checkbox"/> Red <input checked="" type="checkbox"/>                                                |              |
|                |                        |              | New Std. Sample Required yes                                                                                                  |              |
|                |                        |              | Date Rec'd                                                                                                                    |              |
|                |                        |              | Mill Roller Bleed?                                                                                                            |              |
|                |                        |              | Lbs. or Gals. per hour.                                                                                                       |              |
|                |                        |              | Approved                                                                                                                      |              |
|                |                        |              | Formulator <i>Wm. Budnick</i>                                                                                                 |              |
|                |                        |              | Supt. <i>W.B.</i>                                                                                                             |              |

0007-SWP-062297

**MANUFACTURING INSTRUCTIONS:**

82 # BW 102

70# Lead  
1 3/8 gal (5091)  
.18 gal (12) "

Application: Surface

No. Coats

Undercoater Used

Buildings

No. Coats

one

Method 1

Reduction: Amount

Reducer Used

Method 2

Brush

Reduction: Amount

Reducer Used

Drying Time: Touch

Recoat

Stencil

Hard

Sand

Handle

Tack Free

6 hrs

Rub

4-5 days

Wrap

Baking Time and Temp.

Gloss

Film

Special Tests

Oil

led. Hard, Elastic

DATE

SLIP No.

AMOUNT

FACTORY

FORMULA

SPEC. CARD

Exec. Cost Dept.

9-7-45

Cleveland

A

9-6-45

Kensington

C

9-7-45

Allied Research

"

Kens. Tech. Serv.

"

Kens. Lacquer

"

Newark

N

Oakland

O

M. Senour

M

Detroit

D

Los Angeles

P

Dallas

T

Dayton

B

Gibbsboro

F

Pittsburgh

H

Cuba

V

Montreal

"

Buenos Aires

Z

Brazil

"

0007-SWP-062298

| FORMULA RECORD         |                        |              | Alt. B.                                                                                                                                  | A133 2-14 3151                                                             |
|------------------------|------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Exp. No.               | Date 11-9-45           | Class 6 TS   | Rev. No. 477                                                                                                                             |                                                                            |
| Name                   | S W P Westchester Gray |              | Card No. 1                                                                                                                               | Replaces No.                                                               |
| POUNDS                 | GALLONS                | MATERIAL No. | Customer                                                                                                                                 | S.W.CO.                                                                    |
| 300                    |                        | 20 L         | To Match                                                                                                                                 | STD.                                                                       |
| 125                    |                        | 2031         |                                                                                                                                          |                                                                            |
| 260                    |                        | 2059         |                                                                                                                                          |                                                                            |
| 245                    |                        | 3W 102-over) | Reason for Revision                                                                                                                      | Alt. use of 2031, 2059 & BW 102 if 2174 as well as 412 dry are unavailable |
| 9                      |                        | BB 10        | Viscosity                                                                                                                                | 66-30 @ 75° F                                                              |
| 9                      |                        | BC 31        | Viscosity                                                                                                                                | at hrs. after grind                                                        |
| 9                      |                        | BC 30        | % Solids (Run)                                                                                                                           | 14.37                                                                      |
|                        | 3/8                    | ( 12 ) W     | Wt./Gal.                                                                                                                                 | 14.37                                                                      |
|                        | 25 1/4                 | ( 2 )        | Baume                                                                                                                                    | 3H                                                                         |
|                        | 19                     | ( 48 )       | Std. of Fineness                                                                                                                         | 100                                                                        |
|                        | 3/4                    | ( 543 )      | Normal Output                                                                                                                            | 2%                                                                         |
|                        | 1 1/4                  | ( 4230 )     | Est. Mfg. Loss                                                                                                                           | B                                                                          |
|                        | 21                     | ( 348 )      | Department                                                                                                                               |                                                                            |
|                        | 4                      | ( 141 )      | Package                                                                                                                                  |                                                                            |
|                        |                        |              | Parallel No.'s                                                                                                                           |                                                                            |
| RECONVERSION EMERGENCY |                        |              | Royalty: Yes <input type="checkbox"/> ; No <input checked="" type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |                                                                            |
| EXCESS COST 7          |                        |              | Label Analysis Checked Date                                                                                                              |                                                                            |
|                        |                        |              | Label: No Red <input checked="" type="checkbox"/> Red <input type="checkbox"/>                                                           |                                                                            |
|                        |                        |              | New Std. Sample Required                                                                                                                 | No                                                                         |
|                        |                        |              | Date Recd                                                                                                                                |                                                                            |
|                        |                        |              | Mill                                                                                                                                     | Roller                                                                     |
|                        |                        |              | Bleed?                                                                                                                                   |                                                                            |
|                        |                        |              | Lbs. or Gals. per hour                                                                                                                   |                                                                            |
|                        |                        |              | Approved                                                                                                                                 |                                                                            |
|                        |                        |              | Formulator                                                                                                                               | Wm. Butcher                                                                |
|                        |                        |              | Supt.                                                                                                                                    | ABLE                                                                       |

0007-SWP-062299

245# 1270# Lead  
BW 102 (4 3/8 pl (5091)  
(3 3/8 pl (12)W w 10 12

Method 1 Brush

## Method 2.

Drying Time: Touch 6hrs Recoat 4-5days Stencil.

**Tack Free** ..... **Rub** ..... **Wrap**

Baking Time and Temp. \_\_\_\_\_  
Gloss Oil Film Med. Hard, Elastic

### Special Tests.

[illegible]

8/17/15

0007-SWP-062300

| FORMULA RECORD |         |              |                                                                                                                               | Alt. A.                 |
|----------------|---------|--------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Exp. No.       |         | Date 11-9-45 | Class 6 TS                                                                                                                    | Rev. No. 477            |
| Name S W P     |         | Westchester  | Gray                                                                                                                          | Card No. 1 Replaces No. |
| POUNDS         | GALLONS | MATERIAL NO. | Customer S.W.CC.                                                                                                              |                         |
| 325            |         | 20 L         | To Match STD.                                                                                                                 |                         |
| 100            |         | 2174         |                                                                                                                               |                         |
| 260            |         | 2059         | Reason for Revision Alt. use of 2059 and                                                                                      |                         |
| 245            |         | BW 102-over  | BW 102 during present shortage                                                                                                |                         |
| ?              |         | BB 10        | of 412 dry.                                                                                                                   |                         |
| ?              |         | B0 31        |                                                                                                                               |                         |
| ?              |         | B0 30        |                                                                                                                               |                         |
|                |         |              | Viscosity 25-30" @75° #3 at hrs. after grind                                                                                  |                         |
|                |         |              | Viscosity at hrs. after grind                                                                                                 |                         |
|                |         |              | % Solids (Run)                                                                                                                |                         |
|                |         |              | Wt./GAL 14.37                                                                                                                 |                         |
|                |         |              | Baume                                                                                                                         |                         |
|                |         |              | Std. of Fineness 3H                                                                                                           |                         |
|                |         |              | Normal Output 100                                                                                                             |                         |
|                |         |              | Est. Mfg. Loss 2%                                                                                                             |                         |
|                |         |              | Department B                                                                                                                  |                         |
|                |         |              | Package                                                                                                                       |                         |
|                |         |              | Parallel No.'s                                                                                                                |                         |
|                |         |              | Royalty: Yes <input type="checkbox"/> ; No <input type="checkbox"/> ; X <input type="checkbox"/> ; W <input type="checkbox"/> |                         |
|                |         |              | Label Analysis Checked-Date                                                                                                   |                         |
|                |         |              | Label: No Red <input checked="" type="checkbox"/> ; Red <input type="checkbox"/>                                              |                         |
|                |         |              | New Std. Sample Required <input type="checkbox"/>                                                                             |                         |
|                |         |              | Date Rec'd                                                                                                                    |                         |
|                |         |              | Mill Roller <input type="checkbox"/> Bleed?                                                                                   |                         |
|                |         |              | Lbs. or Gals. per hour                                                                                                        |                         |
|                |         |              | Approved                                                                                                                      |                         |
|                |         |              | Formulator <i>[Signature]</i>                                                                                                 |                         |
|                |         |              | Supt. <i>[Signature]</i>                                                                                                      |                         |

  

| POUNDS         | GALLONS | MATERIAL NO. |
|----------------|---------|--------------|
| 325            |         | 20 L         |
| 100            |         | 2174         |
| 260            |         | 2059         |
| 245            |         | BW 102-over  |
| ?              |         | BB 10        |
| ?              |         | B0 31        |
| ?              |         | B0 30        |
| 3/8 { 12 } W   |         |              |
| 25 1/4 { 2 }   |         |              |
| 19 { 48 }      |         |              |
| 3/4 { 543 }    |         |              |
| 1 1/4 { 4230 } |         |              |
| 21 { 348 }     |         |              |
| 4 { 141 }      |         |              |

RECONVERSION EMERGENCY  
 USE ONLY IN  
 EXCESS COST 3¢

0007-SWP-062301

| MANUFACTURING INSTRUCTIONS:                                         |        |                                                                                                                                                                            |             | DATE      SLIP No.      AMOUNT |                 |                 |
|---------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------|-----------------|-----------------|
| 245#                                                                | BW 102 | <div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px; display: inline-block;"> 210# Lead<br/> 4 1/8 #1 (5001)<br/> 3/8 #13 (12)W </div> | NO 12-12-45 |                                |                 |                 |
| Application: Surface <u>Buildings</u> No. Coats <u>one</u>          |        |                                                                                                                                                                            |             |                                |                 |                 |
| Undercoater Used _____ No. Coats _____                              |        |                                                                                                                                                                            |             |                                |                 |                 |
| Method 1 <u>Brush</u>                                               |        |                                                                                                                                                                            |             | FACTORY                        | FORMULA         | SPEC. CARD      |
| Reduction: Amount _____ Reducer Used _____                          |        |                                                                                                                                                                            |             | Exec. Cost Dept.               | <u>11-14-45</u> |                 |
| Method 2 _____                                                      |        |                                                                                                                                                                            |             | Cleveland                      | A               |                 |
| Reduction: Amount _____ Reducer Used _____                          |        |                                                                                                                                                                            |             | Kensington                     | C               | <u>11-14-45</u> |
| Drying Time: Touch <u>6hrs</u> Recoat <u>4-5 days</u> Stencil _____ |        |                                                                                                                                                                            |             | Allied Research                |                 |                 |
| Hard _____ Sand _____ Handle _____                                  |        |                                                                                                                                                                            |             | Kens. Tech. Serv.              |                 |                 |
| Tack Free _____ Rub _____ Wrap _____                                |        |                                                                                                                                                                            |             | Kens. Lacquer                  |                 |                 |
| Baking Time and Temp. _____                                         |        |                                                                                                                                                                            |             | Newark                         | N               |                 |
| Gloss <u>Oil</u> Film <u>Red. Hard, Elastic</u>                     |        |                                                                                                                                                                            |             | Oakland                        | O               |                 |
| Special Tests _____                                                 |        |                                                                                                                                                                            |             | M. Senour                      | M               |                 |
|                                                                     |        |                                                                                                                                                                            |             | Detroit                        | D               |                 |
|                                                                     |        |                                                                                                                                                                            |             | Los Angeles                    | P               |                 |
|                                                                     |        |                                                                                                                                                                            |             | Dallas                         | T               |                 |
|                                                                     |        |                                                                                                                                                                            |             | Dayton                         | B               |                 |
|                                                                     |        |                                                                                                                                                                            |             | Gibbsboro                      | F               |                 |
|                                                                     |        |                                                                                                                                                                            |             | Pittsburgh                     | H               |                 |
|                                                                     |        |                                                                                                                                                                            |             | Cuba                           | V               |                 |
|                                                                     |        |                                                                                                                                                                            |             | Montreal                       |                 |                 |
|                                                                     |        |                                                                                                                                                                            |             | Buenos Aires                   | Z               |                 |
|                                                                     |        |                                                                                                                                                                            |             | <u>Panama</u>                  |                 |                 |
|                                                                     |        |                                                                                                                                                                            |             | <u>71</u>                      |                 |                 |