

0007-SWP-062398

FORMULA RECORD 6

CONTROL LAB Cleveland T. S.

DATE 6-15-53

REV. NO. 482

NAME S W P Hillcrest Green

CARD NO. 13

POUNDS	GALLONS	MATERIAL NO.	CUSTOMER
175	8.3	2188	Sherwin-Williams Co.
37	2.7	11185	MFG. INSTR. *CAUTION(2233) POISON, AVOID
18	1.2	11184	CONTACT WITH SKIN: WEAR GLOVES WHEN
10	1.1	CP 766	HANDLING. Up to 2 gals (348) is
40	.8	112	permitted to adjust Viscosity.
5	.3	2501	
8	.1	1128	
?		BB 10, BY 48	WT./GAL T 9.33
4	1/2	(2233)*	GRIND LH
195	26	(2536) or 17(2539)	BLEED
62	8	(2) 9(348)	DEPT. <i>Roller</i>
158	19	(1106)	STOR. LOSS
103	13 3/4	(2536)* or	SOLIDS
38	5	(1230)	PARALLELS
3 1/2	1/2	(1232)	No Parallel
7	1	(543)	REASON FOR REVISION
3	1/2	(5026)	Show use of (2536) &
86	13 1/4	(348)	(2539) and adjust Viscosity.
** 9 gals (2539) & 4 3/4 gals (348)			FORMULATOR <i>P. Thompson</i> SUPT. <i>196</i>

0007-SWP-062399

TO MATCH Neutral Oil Standard #91

APPLICATION: SURFACE Wood Ext.

NO. COATS 1 or 2

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 _____ WRAP _____

BAKING TIME AND TEMP. _____

GLOSS Oil FILM Tough & Elastic

SPECIAL TESTS _____

REX NO. 182 Handwritten 86-22

CARD NO. 13 Handwritten 6-22-53

DATE 6-15-53 Handwritten

DATE	SLIP NO.	AMOUNT
<u>Qualtrich Control</u>	<u>11</u>	<u>222-53</u>
<u>Qualtrich</u>	<u>11</u>	
<u>Qualtrich</u>	<u>11</u>	
<u>Qualtrich</u>	<u>11</u>	
<u>Qualtrich</u>	<u>11</u>	
<u>Qualtrich</u>	<u>11</u>	
FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	<u>11</u>	
CLEVELAND	<u>11</u>	
KENSINGTON	<u>11</u>	<u>6-22-53</u>
PAINT RESEARCH	<u>11</u>	
KENS. TECH. SERV.	<u>11</u>	
KENS. LACQUER	<u>11</u>	
NEWARK	<u>11</u>	<u>6-22-53</u>
OAKLAND	<u>11</u>	
M. SENOUR	<u>11</u>	<u>6-22-53</u>
DETROIT	<u>11</u>	
LOS ANGELES	<u>11</u>	
DALLAS	<u>11</u>	
JAYTON	<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>	
ERAZIL	<u>11</u>	
RES ADM	<u>11</u>	
MEXICO	<u>11</u>	

Handwritten Phl.

FORMULA RECORD

6

CONTROL LAB Cleveland T. S.

DATE 3-12-53

REX. NO. 482

NAME S W P Hillcrest Green

CARD NO. 12 Alt. A

POUNDS	GALLONS	MATERIAL NO.	CUSTOMER
175	8.3	2188	Sherwin-Williams Co.
37	2.7	11185	MFG. INSTR. CAUTION: (2233) POISON: WEAR
18	1.2	11184	GLOVES WHEN HANDLING. AVOID CONTACT
10	1.1	CP 766	WITH SKIN.
40	.8	1112	
5	.3	2501	
8	.1	1128	WT./GAL T 9.12
?		BR 10	GRIND LH
?		BY 17	OUTPUT 100
1	1/2	(2233)*	MFG. LOSS 2%
208	26	(25A14)	STOP LOSS
62	8	(2)	SOLIDS
158	19	(1106)	PARALLELS
38	5	(1230)	No Parallel
7	1	(543)	ROYALTY: YES ☐ NO ☐ X ☐ W ☐ L ☐
3	1/2	(5026)	REASON FOR REVISION To show (25A14) in
179	27 1/2	(348)	place of (2538).
SEE NEG.	INSTRUCTIONS:		FORMULATOR <i>B. J. ...</i> SFT

0007-SWP-062401

TO MATCH Central oil Standard #91

APPLICATION: SURFACE Wood Ext.

NO. COATS 1 or 2

UNDERCOATER USED Rx 450

METHOD 1 Brush

REDUCTION: AMOUNT

REDUCER USED

METHOD 2

REDUCTION: AMOUNT

REDUCER USED

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

HARD

SAND

HANDLE

TACK FREE

RUB

WRAP

BAKING TIME AND TEMP.

GLOSS Oil

FILM Tough & Elastic

SPECIAL TESTS

REX NO. 1182 B-3-23-53

CARD NO. 12 A1+ Paul Sales

DATE 3-12-53 Quality Control

DATE 3-12-53 SLIP NO. AMOUNT

Paul Sales 3-23-53

Paul Sales

Paul Sales

Paul Sales

FACTORY FORMULA SPEC. CARD

EXEC. COST DEPT. 7

CLEVELAND A

KENSINGTON C 3-23-53

PAINT RESEARCH 11

KENS. TECH. SERV. 11

KENS. LACQUER

NEWARK H 3-23-53

OAKLAND O

M. SENOUR M 3-23-53

DETROIT D

LOS ANGELES P

DALLAS T

CAYTON L

GIBBSBORO F

EXEC. MFG. 11

CUBA 11

MONTREAL G

BUENOS AIRES Z

BRAZIL S

RES ADM 11

MEXICO 11

Phil 53

0007-SWP-062402

FORMULA RECORD 6

CONTROL LAB Cleveland T. S.

DATE 6-20-52

REX NO. 402

NAME S U P Hillcrest Green

CARD NO. 12

POUNDS	GALLONS	MATERIAL NO.	CUSTOMER
175	8.3	2188	Sherwin-Williams Co.
37	2.7	11185	TO MATCH Neutral Oil Std. #91
18	1.2	11181	REASON FOR REVISION To show (2538) in
10	1.1	CP 766	place of (310). (2538) is (310) at
40	.8	412	70% NVIL
5	.3	2501	VISCOSITY 25-30" 975°F AT HRS. AFTER GRIND
8	.1	1128	VISCOSITY on #3 cup AT HRS. AFTER GRIND
?		BB 10	% SOLIDS (RUN) ROYALTY: YES ☐ NO ☐ X ☐ W ☐
?		BY 47	WT./GAL T 9.33 LABEL ANALYSIS CHECKED D
4	1/2	(2233)*	BAUME NEW STD. SAMPLE REQUIRED
158	19	(4106)	STD. OF FINENESS 4H DATE REC'D 18hrs
62	8	(2)	NORMAL OUTPUT 100 MILL Ball Mill BLEED?
65	10	(348)	EST. MFG. LOSS 2% DEPARTMENT LBS. OR GALS. PER HOUR
280	40	(2538)	PACKAGE APPROVED
7	1	(543)	PARALLEL NO.'S FORMULATOR PBT
* 38	5	(4230)	No Parallel
3	1/2	(5026)	SUPT. S76
23	3 1/2	(348)	

0007-SWP-062403

MANUFACTURING INSTRUCTIONS:

* CAUTION: (2233) POISON: WEAR
GLOVES WHEN HANDLING. AVOID CONTACT
WITH SKIN.

1950-51 282 22986
APPLICATION: SURFACE Wood Ext.

NO. COATS 1 or 2

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 WRAP

BAKING TIME AND TEMP.

GLOSS Oil FILM Tough & Elastic

SPECIAL TESTS

Very 5-11-53 *Box 182*

DATE	SLIP NO.	AMOUNT
<i>May 11 1953</i>	<i>182</i>	<i>7-8-52</i>
<i>May 11 1953</i>	<i>182</i>	<i>11</i>
<i>May 11 1953</i>	<i>182</i>	<i>11</i>
<i>May 11 1953</i>	<i>182</i>	<i>11</i>
<i>May 11 1953</i>	<i>182</i>	<i>11</i>
<i>May 11 1953</i>	<i>182</i>	<i>11</i>
<i>May 11 1953</i>	<i>182</i>	<i>11</i>
<i>May 11 1953</i>	<i>182</i>	<i>11</i>
<i>May 11 1953</i>	<i>182</i>	<i>11</i>
FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	<i>11</i>	
CLEVELAND	<i>11</i>	
KENSINGTON	<i>11</i>	<i>7-8-52</i>
ALLIED RESEARCH	<i>11</i>	
KENS. TECH. SERV.	<i>11</i>	
KENS. LACQUER	<i>11</i>	
NEWARK	<i>11</i>	<i>7-8-52</i>
OAKLAND	<i>11</i>	
M. SENOUR	<i>11</i>	<i>7-8-52</i>
DETROIT	<i>11</i>	
LOS ANGELES	<i>11</i>	
DALLAS	<i>11</i>	
DAYTON	<i>11</i>	
GIBBSBORO	<i>11</i>	
EXEC. MFG.	<i>11</i>	
CUBA	<i>11</i>	
MONTREAL	<i>11</i>	
BUENOS AIRES	<i>11</i>	
BRAZIL	<i>11</i>	
RES ADM	<i>11</i>	
MEXICO	<i>11</i>	

Phil 5-15

FORMULA RECORD

6

CONTROL LAB. Cleveland T. S.

DATE 12-18-51

REX NO. 482

NAME S W P Hillcrest Green

CARD NO. 11

* See Mfg. Instructions (POISON)

POUNDS	GALLONS	MATERIAL NO.
175	8.3	2188
37	2.7	11185
18	1.2	11184
10	1.1	CP 766
40	.8	412
5	.3	2501
8	.1	1128
?		BB 10
?		BY 47
4	1/2	(2233) *
157	19	(4106)
62	8	(2)
65	10	(348)
209	26	(310) or (48)
7	1	(543)
38	5	(4230)
3	1/2	(5026)
114 1/2	17 1/2	(348)

CUSTOMER <u>Sherwin-Williams Co</u>	
TO MATCH <u>Neutral Oil Standard #91</u>	
REASON FOR REVISION <u>Increasing Grind Limits.</u>	
VISCOSITY <u>25-30" 375° F</u> AT	HRS. AFTER GRIND
VISCOSITY <u>#3 CUP</u> AT	HRS. AFTER GRIND
% SOLIDS (RUN)	ROYALTY TEST: NO LIME #17
WT./GAL. <u>9.32</u>	LABEL ANALYSIS CHECKED <u>DE</u>
BAUME	LABEL NO. RED D; RED
STD. OF FINENESS <u>LH</u>	NEW STD. SAMPLE REQUIRED
NORMAL OUTPUT <u>100</u>	DATE REC'D
EST. MFG. LOSS <u>2%</u>	MILL <u>Ball Mill</u> 16 HRS BLEED?
DEPARTMENT	LES. OR GALS. PER HOUR
PACKAGE	APPROVED <u>[Signature]</u>
PARALLEL NO.'S	FORMULATOR
<u>No Parallel</u>	SUPT. <u>[Signature]</u>

0007-SWP-062405

Rex 482

NO. COATS 1 or 2

METHOD 1 Brush

REDUCTION: AMOUNT _____ REDUCER USED: _____

METHOD 2

REDUCTION: AMOUNT _____ REDUCER USED: _____

DRYING TIME: TOUCH 5-8 hrs RECOAT 2-4 days STENCIL

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Oil FILM Tough & Elastic

SPECIAL TESTS

DATE	SLIP NO.	AMOUNT
10/1/52	100	10.00
10/2/52	101	10.00
10/3/52	102	10.00
10/4/52	103	10.00
10/5/52	104	10.00
10/6/52	105	10.00
10/7/52	106	10.00
10/8/52	107	10.00
10/9/52	108	10.00
10/10/52	109	10.00
10/11/52	110	10.00
10/12/52	111	10.00
10/13/52	112	10.00
10/14/52	113	10.00
10/15/52	114	10.00
10/16/52	115	10.00
10/17/52	116	10.00
10/18/52	117	10.00
10/19/52	118	10.00
10/20/52	119	10.00
10/21/52	120	10.00
10/22/52	121	10.00
10/23/52	122	10.00
10/24/52	123	10.00
10/25/52	124	10.00
10/26/52	125	10.00
10/27/52	126	10.00
10/28/52	127	10.00
10/29/52	128	10.00
10/30/52	129	10.00
10/31/52	130	10.00
11/1/52	131	10.00
11/2/52	132	10.00
11/3/52	133	10.00
11/4/52	134	10.00
11/5/52	135	10.00
11/6/52	136	10.00
11/7/52	137	10.00
11/8/52	138	10.00
11/9/52	139	10.00
11/10/52	140	10.00
11/11/52	141	10.00
11/12/52	142	10.00
11/13/52	143	10.00
11/14/52	144	10.00
11/15/52	145	10.00
11/16/52	146	10.00
11/17/52	147	10.00
11/18/52	148	10.00
11/19/52	149	10.00
11/20/52	150	10.00
11/21/52	151	10.00
11/22/52	152	10.00
11/23/52	153	10.00
11/24/52	154	10.00
11/25/52	155	10.00
11/26/52	156	10.00
11/27/52	157	10.00
11/28/52	158	10.00
11/29/52	159	10.00
11/30/52	160	10.00
12/1/52	161	10.00
12/2/52	162	10.00
12/3/52	163	10.00
12/4/52	164	10.00
12/5/52	165	10.00
12/6/52	166	10.00
12/7/52	167	10.00
12/8/52	168	10.00
12/9/52	169	10.00
12/10/52	170	10.00
12/11/52	171	10.00
12/12/52	172	10.00
12/13/52	173	10.00
12/14/52	174	10.00
12/15/52	175	10.00
12/16/52	176	10.00
12/17/52	177	10.00
12/18/52	178	10.00
12/19/52	179	10.00
12/20/52	180	10.00
12/21/52	181	10.00
12/22/52	182	10.00
12/23/52	183	10.00
12/24/52	184	10.00
12/25/52	185	10.00
12/26/52	186	10.00
12/27/52	187	10.00
12/28/52	188	10.00
12/29/52	189	10.00
12/30/52	190	10.00
12/31/52	191	10.00
1/1/53	192	10.00
1/2/53	193	10.00
1/3/53	194	10.00
1/4/53	195	10.00
1/5/53	196	10.00
1/6/53	197	10.00
1/7/53	198	10.00
1/8/53	199	10.00
1/9/53	200	10.00
1/10/53	201	10.00
1/11/53	202	10.00
1/12/53	203	10.00
1/13/53	204	10.00
1/14/53	205	10.00
1/15/53	206	10.00
1/16/53	207	10.00
1/17/53	208	10.00
1/18/53	209	10.00
1/19/53	210	10.00

0007-SWP-062406

FORMULA RECORD

6

CONTROL LAB Cleveland, T. S.

DATE 1-5-51

REL. NO.

482

NAME S W P Hillcrest Green

CARD NO.

10

	POUNDS	GALLONS	MATERIAL NO.	CUSTOMER
INSTRUCTIONS (POISON)	175	8.3	2188	Sherwin-Williams Co. TO MATCH Neutral Oil Standard #91
	37	2.7	11185	
	18	1.2	11184	
	10	1.1	CP 766	
INSTRUCTIONS	40	.8	412	REASON FOR REVISION To show Sherwin-Williams Mfg. Driers and also Purchased Tallate Driers
	5	.3	2501	
	8	.1	1128	
	?		BB 10	
INSTRUCTIONS	?		BY 47	VISCOSITY 25-30" - 275 dea. F HRS. AFTER GRIND VISCOSITY on #3 cup AT HRS. AFTER GRIND % SOLIDS (RUN) ROYALTY: YES ☐ NO ☐ X ☐ W ☐ WT./GAL. 9.32 LABEL ANALYSIS CHECKED ☒ BAUME LABEL NO. (SEE NOTE 5) STD. OF FINENESS 315 VERIFIED SAMPLE REQUIRED NORMAL OUTPUT 100 DATE REC'D 1-18-51 EST. MFG. LOSS 2% MILL Ball Mill BLEED? DEPARTMENT LBS. OR GALS. PER HOUR PACKAGE APPROVED PARALLEL NO.'S FORMULATED No Parallel
	4	1/2	(2233) *	
	157	19	(4106)	
	62	8	(2)	
SEE MFG.	65	10	(348)	DATE REC'D 1-18-51 EST. MFG. LOSS 2% DEPARTMENT PACKAGE PARALLEL NO.'S No Parallel
	209	26	(310) or (48)	
	7	1	(543)	
	38	5	(901) or (900) (1330)	
114 1/2	17 1/2	(348)		

0007-SWP-062407

Rex 482

DATE	SLIP NO.	AMOUNT
May 10	1	1.00
May 11	2	1.00
May 12	3	1.00
May 13	4	1.00
May 14	5	1.00
May 15	6	1.00
May 16	7	1.00
May 17	8	1.00
May 18	9	1.00
May 19	10	1.00
May 20	11	1.00
May 21	12	1.00
May 22	13	1.00
May 23	14	1.00
May 24	15	1.00
May 25	16	1.00
May 26	17	1.00
May 27	18	1.00
May 28	19	1.00
May 29	20	1.00
May 30	21	1.00
May 31	22	1.00

NO. COATS ONE OR T

FACTORY	FORMULA	SPEC. CARD
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EXEC. COST DEPT.	11	
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CLEVELAND	A	//	
KENSINGTON	C	//	1-12-51

KENSINGTON	11	11/17/54
ALLIED RESEARCH	11	

KENS. TECH. SERV.	11	
KENS. JACQUER		

RENS. LAQUOER		
NEWARK N	11	1-17-57

OAKLAND	C	64	
M. SENGUPTA	M	11	1-1751

M. SENCOUR	M	11	11
DETROIT	D	11	11

LOS ANGELES P 16

DALLAS	I	11	
DAYTON	L	11	

GIBBSBORO	F	11	
EVES MED		2-1-58	11-1-58

EXCL. HFG.			
CUBA	H		

MONTREAL	G	4	1
SAINT-LOUIS	F	1	1

BUENOS AIRES	2	7	4-7
DRAZIL	5	6	

RES ADM			

MEXICO

FORMULA RECORD			6	
CONTROLLING CLEVELAND T. S.			DATE	7-3-50
NAME S W P Hillcrest Green			REL. NO.	492
			CARD NO.	9
POUNDS	GALLONS	MATERIAL NO.	CUSTOMER Sherwin-Williams Co.	
175	8.3	2188	TO MATCH N. O. Std. 91	
37	2.7	11185		
18	1.2	11184	REASON FOR REVISION Bringing formula	
10	1.1	CP 766	up to date and adjusting for color.	
40	.8	412		
5	.3	2501		
8	.1	1128	VISCOSITY 25-30° 275° F.	
1		30 10	VISCOSITY AT 100° F. AFTER GELING	
4	1/2	(2233)*	% SOLID RUN 9.32	
30	5	(901)	ROYALTY YES NO YES NO	
157	19	(4106)	LABEL ANALYSIS CHECKED DATE 12-1-50	
62	8	(2)	LABEL NO. REDZ, RED D	
65	10	(348)	NEW STD. SAMPLE REQUIRED	
209	26	(310) or (48)	DATE RECEIVED	
7	1	(543)	EST. MFG. LOSS 2% MILL BALL BLEED?	
3 1/2	1/2	(5026)	DEPARTMENT	
3	1/2	(5026)	PACKAGE	
11 1/2	1 1/2	(348)	PARALLEL NO.'S	
			No Parallel	
			FORMULATED BY [Signature]	
			SUPT. [Signature]	

0007-SWP-062409

MANUFACTURING INSTRUCTIONS:		Rex 482	
* Mixer handling (2233) POISON must wear gloves and be careful not to get on hands or skin.		<i>Butler</i>	7/19/60
		<i>Wiley</i>	7/19/60
		<i>Boyer</i>	"
		<i>Wiley</i>	"
		<i>Boyer</i>	"
		<i>Wiley</i>	"
		<i>Boyer</i>	"
APPLICATION: SURFACE <i>Wood Ext.</i>		<i>Wiley</i>	"
NO. COATS one or two		<i>Boyer</i>	"
UNDERCOAT USED <i>Rex 450</i>		FACTORY	FORMULA
METHOD 1 <i>Brush</i>		EXEC. COST DEPT.	"
REDUCTION: AMOUNT _____ REDUCER USED _____		CLEVELAND	"
METHOD 2		KENSINGTON	"
REDUCTION: AMOUNT _____ REDUCER USED _____		ALLIED RESEARCH	"
		KENS. TECH. SERV.	"
		KENS. LACQUER	"
		NEWARK	"
DRYING TIME: TOUCH <i>6-8 hr</i> RECOAT <i>2-4 days</i> FENCIL		OAKLAND	"
HARD _____ SAND _____ HANDLE _____		M. SENOUR	"
TACK FREE _____ RUB _____ WRAP _____		DETROIT	"
BAKING TIME AND TEMP. _____		LOS ANGELES	"
GLOSS <i>Oil</i> _____ FILM <i>Tough & Elastic</i>		DALLAS	"
SPECIAL TESTS _____		DARTON	"
		GIBBSBORO	"
		EXEC. MFG.	"
		CUBA	"
		MONTREAL	"
		BUENOS AIRES	"
		BRAZIL	"
		RES ADM	"
		MEXICO	"

FORMULA RECORD			
CONTROL LAB		Cleveland T.S.	DATE 2/15/49
NAME		S W P Hillcrest Green	
REX. NO.		482	
CARD NO.		8	
POUNDS	GALLONS	MATERIAL NO.	CUSTOMER Sherwin Williams Co.
175	8.3	2188	TO MATCH Standard
43	3.1	11185	
9 1/2	1	CP 766	REASON FOR REVISION Placing on Alkyd
1	.1	12105	basis to improve
4 3/4	.3	2501	quality.
50	1	412 or	20# 414
8	.1	1128	30# 511
?		BB 10	THICKNESS 25-30" @ 75 deg F.
?		2092	VISCOSE On #3 Cup
4	1/2	2117	WETNESS (RUN)
156	19	(4106)	WT/GAL T 9.32
80	10	(48)	NEW STD. SAMPLE REQUIRED
62	8	(2)	DATE REC'D
128	16	(48)	EST. LFG. LOSS 100
3	1/2	(5026)	DEPARTMENT
7	1	(543)	PACKAGE
38	5	(4230)	PARALLEL NO.'S
3 1/2	1/2	(4232)	
182	28	(348)	
		Supt. S76	

MANUFACTURING INSTRUCTIONS:
Ball Mill Slush Grind 5hrs. add
5 gals of (48) and roll 1/2 hr.
* Mixer handling CW 2119 (Polson)
must wear gloves and be careful not
on hands or skin.

APPLICATION: SURFACE Wood & Metal

NO. COATS 1 & 2

UNDERCOATER USED 450

METHOD 1 Brush

REDUCTION: AMOUNT _____ REDUCER USED: _____

METHOD

REDUCTION: AMOUNT _____ REDUCER USED _____

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

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLASS 0-1 FILM Tough, Elastic

SPECIAL TESTS

DATE	SLIP NO.	AMOUNT
<i>Pats -</i>	<i>Martin</i>	<i>2/6/49</i>
<i>last</i>	<i>4/12/49</i>	
to get	<i>4/14/49</i>	
<i>Mary</i>	<i>2/22/49</i>	
<i>Byrd</i>	<i>4</i>	
<i>Paula</i>	<i>11</i>	
<i>T-3</i>	<i>11</i>	
FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	<i>2/22/49</i>
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER	"	
NEWARK N	"	
OAKLAND O	"	
M. SENCUR M	"	
DETROIT D	"	
LOS ANGELES P	"	
DALLAS T	<i>4</i>	<i>Out 4/12/49</i>
DAYTON L	"	
GIBBSPOCO F	"	
EXEC. MFG	"	
CUBA H	"	
MONTREAL G	"	
BUENOS AIRES Z	"	
BRAZIL S	"	
RES ADM	"	
MEXICO		

FORMULA RECORD			A135 WHITE	
Exp. No.	Date	4/26/48	Class	6
Name	S W P Hillcrest Green		Rev. No.	482
			Card No. 7	Replaces No. 6
POUNDS	GALLONS	MATERIAL No.	Customer Sherwin Williams Co.	
175		2188	To Match Standard	
43		11185		
9 1/2		CP 766	Reason for Revision To use a 511 & 414 com-	
1		12105	bination.	
4 3/4		2501		
20		4143 or 50#		
30		511		
8		1128 412		
?		BB 10	Viscosity 25-30" @ 75 deg F	
?		BB 1022	Viscosity On #3 Cup	
39	5	(2325)	% Solids (Run)	
176	22	48	Wt./Gal 9.28	
77	10	2	Baume	
4	1/2	(CW 2119)*	Std. of Fineness 3H	
72	9	48	Normal Output	
60	8	(4950) 8 8 2841	Est. Mfg. Loss 2%	
22 1/2	3	(4230)	Department	
7	1	(4231)	Package	
3 1/2	1/2	(4232)	Parallel No.'s	
3 1/2	1/2	(5026)	Royalty: Yes ☐ No ☒ W ☐	
185	28 1/2	(348)	Label Analysis Checked Date	
* Ball Mill Slush grind 5hrs			Label: No Red ☒ Red ☐	
			New Std. Sample Required	
			Date Rec'd	
			Mill	
			Bleed?	
			Lbs. or Gals. per hour	
			Approved	
			Formulator K.F. Jones	
			Supt. 876	

0007-SWP-062413

MANUFACTURING INSTRUCTIONS

Ball Mill slush
grind 5 hrs. Add 5 gals of (48)
and roll 1/2 hr.

* CAUTION: Mixer handling CW 2119
must wear gloves, (POISON); and be
careful not to get it on hands or skin.

Application: Surface Buildings No. Coats One or

Undercoater Used 450 No. Coats Two

Method 1 Brush

Reduction: Amount Reducer Used

Method 2

Reduction: Amount Reducer Used

Drying Time: Touch 8hr. Recoat 5 days Stencil

Hard Sand Handle

Tack Free Rub Wrap

Baking Time and Temp

Gloss Oil Film Hard & Tough

Special Tests

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

Mem 3/5/48
Bayer
Cotton
Eastman

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

Exec. Cost Dept.	"	
Cleveland A	"	
Kensington C	"	3/5/48
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	"	
Brant	"	

0007-SWP-062414

FORMULA RECORD			AT35 WHITE	
Exp. No.	Date 11/19/47		Class	6
Name	S W P Hillcrest Green		Rev. No.	482
			Card No.	6 Replaces No. 5
Customer			Sherwin Williams Co.	
To Match			Std.	
Reason for Revision			To use (2325)	
SEE REC. INSTRUCTIONS & POISON	POUNDS	GALLONS	MATERIAL NO.	
	175		2188	
	43		11185	
	9 1/2		CP 766	
	1		12105	
	4 3/4		2501	
	50		412	
	8		1128	
	?		BB 10	
	?		BX 1022	
	39	5	(2325)	
	176	22	(48)	
	77	10	(2)	
	4	1/2	CW 2119	
	72	9	(48)	
60	8	(4950)C or (285)C		
22 1/2	3	(4230) (285)C		
7	1	(4231)		
3 1/2	1/2	(4232)		
3 1/2	1/2	(5026)		
185	28 1/2	(348)		
Viscosity			25-35" C. 25-35" F.	
Viscosity			On #3 Cup	
% Solids (Run)			9.25	
WL/Gal.			9.25	
Baume			3H	
Std. of Fineness			3H	
Normal Output			20	
Est. Mfg. Loss			2%	
Department			12/19/47	
Package			12/19/47	
Parallel No.'s				
Royalty			Yes ☐ No ☒ W ☐	
Label Analysis Checked			Date	
Label: No-Red ☒ Red ☐				
New Std. Sample Required				
Date Rec'd			11/19/47	
Mill			Bleed?	
Lbs. or Gals. per hour				
Approved			Sam Buey	
Formulator			JHP	
Supt.				

0007-SWP-062415

CAUTION: Mixer handling CW 2119
(POSITION) must wear gloves and
be carefull not to get it on hands
or skin.

Application: Surface Buildings No. Coats 1 & 2
Undercoater Used _____ No. Coats _____

Method 1. Brush
Reduction: Amount _____ Reducer Used _____

Method 2 _____

Reduction: Amount _____ Reducer Used _____

Drying Time: Touch 8 hrs. Recoat 4-5 days Stencil

Hard Sand Handle

Tack Free _____ Rub _____ Wrap _____

Baking Time and Temp.

Gloss Oil Film Hard & Tough

Special Tests Ball Mill slush grind 5 hrs.

Add 5 gals of (48) roll 1/2 hrs.

8/22/98

DATE	SLIP No.	AMOUNT
<i>Young</i>	<i>12/12/47</i>	
<i>Baltimore</i>	<i>11</i>	
<i>Chesapeake</i>	<i>11</i>	
<i>Colton</i>		
FACTORY	FORMULA	SPEC. CARD
Exec. Cost Dept.	"	
Cleveland	A " "	
Kensington	C " "	<i>12/12/47</i>
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	S " "	
Buenos Aires	Z " "	
Brazil	" "	
<i>Harmon</i>	<i>11</i>	
<i>11</i>	<i>11</i>	
<i>11</i>	<i>11</i>	

FACTORY	FORMULA	SPEC. CARD
Exec. Cost Dept.	"	
Cleveland	A	"
Kensington	C	12/12/47
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	"	
Manila	"	
London	"	

FORMULA RECORD			A135 WHITE 9-43	
Exp. No.	Date 5-7-47	Class 6	Rev. No. 452	Replaces No. 4
Name S N P Hillcrest Green			Card No. 5	
POUNDS	GALLONS	MATERIAL No.	Customer	
175		2188	To Match	
43		11185		
9 1/2		CP 766	Reason for Revision	To replace 89 dry with
1		12103		CW 2119 for better durability.
3 3/4		2501		
50		412		
8		1128		
?		BB 10		
?		BX 1022		
217	27 1/2	(48)		
77	10	(2)		
4	1/2	CW 2119 *		
72	9	(48)		
60	8	(4950G) or (2841G)		
22 1/2	3	(4230)		
7	1	(4231)		
3 1/2	1/2	(4232)		
3 1/2	1/2	(5026)		
185	28 1/2	(348)		
			Viscosity	25-30" 075 at hrs. after grind
			Viscosity	On 3 Cup at hrs. after grind
			% Solids (Run)	Royalty: Yes ☐ No ☐ X ☐ W ☐
			Wt./Gal.	Label Analysis Checked-Date
			Baume	Label: No. Red ☐ Red ☐
			Std. of Fineness	New Std. Sample Required
			Normal Output	Date Rec'd
			Est. Mfg. Loss	Milk Bleed?
			Department	Lbs. or Gals. per hour
			Package	Approved Formulator
			Parallel No.'s	Supt.

0007-SWP-062417

MANUFACTURING INSTRUCTIONS:

CAUTION: Mixer handling CW 2119
(POSITION) must wear gloves and
be carefull not to get it on hands
or skin.

Application: Surface **Buildings** No. Coats **1 & 2**
Undercoater Used _____ No. Coats _____

Method 1 **Brush**
Reduction: Amount _____ Reducer Used _____
Method 2 _____
Reduction: Amount _____ Reducer Used _____

Drying Time: Touch **5 hrs.** Recoat **4-5 Days** Stencil
Hard _____ Sand _____ Handle _____
Tack Free _____ Rub _____ Wrap _____

Baking Time and Temp. _____
Gloss **Oil** Film **Hard & Tough**
Special Tests **Ball Mill slush grind 5 hrs.**
Add 5 gals of (48) roll 1/2 Hrs.

5-27-42

482

DATE	SLIP No.	AMOUNT
<i>5-27-42</i>	<i>83-42</i>	
<i>5-27-42</i>	<i>5-27-42</i>	
<i>5-27-42</i>	<i>5-27-42</i>	
FACTORY	FORMULA	SPEC. CARD
Exec. Cost Dept.	"	
Cleveland	A	
Kensington	C	<i>5-27-42</i>
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>Plano</i>	<i>7-5</i>	

0007-SWP-062418

FORMULA RECORD			A135 WHITE 9-46 3311 D	
Exp. No.	Date <u>2-14-47</u>		Class	<u>6</u>
Name	<u>S W P Hillcrest Green</u>		Rev. No.	<u>482</u>
			Card No.	<u>Replaces No. 3</u>

POUNDS	GALLONS	MATERIAL NO.	Customer
175		2188	<u>S W Co.</u>
43		11185	To Match <u>Std.</u>
9 1/2		CP 766	
1		12105	Reason for Revision
4 3/4		2501	<u>To get a color combination that gives a better match to the std.</u>
50		412	
8		1128	Viscosity <u>25-30</u> at <u>25</u> hrs. after grind
25		89	Viscosity <u>On 3</u> at <u>3</u> hrs. after grind
?		BB 10	% Solids (Run) <u>9.50</u>
?		BX 1022	Wt. (G) <u>9.50</u>
216	<u>27 22</u>	(48)	Std. of Fineness <u>3H</u>
77	<u>10</u>	(2) <u>(325)</u>	Est. Mfg. Loss <u>0.100</u>
72	<u>9 5</u>	(48)	Department <u>2</u>
60	<u>8</u>	(4950) G. <u>(284)</u>	Package
22 1/2	<u>3</u>	(4230) JH <u>5</u>	Parallel No.'s
7	<u>1</u>	(4231)	
3 1/2	<u>1/2</u>	(4232)	
	<u>1/2</u>	(5026)	
	<u>29 1/2</u>	(348)	

Label Analysis Checked Date	
Label: No Red ☐ ; Red ☐	
New Std. Sample Required	
Date Rec'd	<u>5</u>
Mill	Bleed?
Lbs. or Gals. per hour	
Approved	
Formulated	<u>Sam Huey</u>
Supt.	<u>L.F.B.</u>

0007-SWP-062419

MANUFACTURING INSTRUCTIONS:

Ball Mill slush grind 5 Hrs.
Add 5 Gals of (48) roll 1/2
Hrs.

Application: Surface Buildings No. Coats 1 & 2
Undercoat Used No. Coats

Method 1 Bright
Reduction: Amount _____ Reducer Used _____

Method 2 _____
Reduction: Amount _____ Reducer Used _____

Drying Time: Touch <u>1 hr</u>	Recoat <u>5 days</u>	Stencil
Hard _____	Sand _____	Handle
Tack Free _____	Rub _____	Wrap _____

Baking Time and Temp. _____
Gloss 0-1 Film Hard & Tough
Special Tests _____

8/3/81-17 & 5/23/87

422

DATE	SLIP No.	AMOUNT
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May 2-20-47

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

Exec. Cost Dept.	A	"	
Cleveland	A	"	
Kensington	C	"	2-20-47
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	"	
Pittsburyn	H		
Cuba	V	"	
Montreal		"	
Buenos Aires	Z	"	
Brazil		"	
Plaza		"	
7-5		"	

FORMULA RECORD			A135 WHITE 245 S-L W7	
Exp. No.	Date	Class	Replaces No.	Card No.
Name S W P Hillcrest Green			6	
Customer S W Co.				
To Match				
Reason for Revision				
Replacing Alkyd (4106)				
with (4950)G & (48) to con-				
serve phthalic anhydride				
Viscosity 25-30" @ 75°			hrs. after grind	
Viscosity On 3 Cup			hrs. after grind	
% Solids (Run)			Royalty: Yes ☐ ; No ☐ ; X ☐ ; W ☐	
WT./Gal. 9.44			Label Analysis Checked-Date	
Baume			Label: No Red ☒ ; Red ☐	
Std. of Fineness 3H			New Std. Sample Required	
Normal Output 100			Date Rec'd	
Est. Mfg. Loss 2%			Mill Roller	
Department			Bleed?	
Package			Lbs. or Gals. per hour	
Parallel No.'s			Approved <i>Wm. Rudjak</i>	
			Formulator	
			Supt. <i>Wm. Rudjak</i>	

POUNDS	GALLONS	MATERIAL NO.
175		2188
50		11185
50		412
8		1128
2		2501
25		89
	27	(48)
	10	(2)
	9	(48)
	8	(4950)G
	3	(4230)
	1	(4231)
	1/2	(4232)
	1/2	(5026)
	29 1/2	(348)

0007-SWP-062421

482

Special Tests

DATE	SLIP No.	AMOUNT
FACTORY	FORMULA	SPEC. CARD
Exec. Cost Dept.	6-12-46	
Cleveland	A "	
Kensington	C "	6-12-46
Allied Research	" "	
Kens. Tech. Serv.	" "	
Kens. Lacquer	" "	
Newark	N "	
Oakland	D "	
W. Senour	M "	
Detroit	D "	
Los Angeles	P "	
Dallas	T "	
Dayton	B "	
Gibbsboro	F "	6-12-5-47
Pittsburgh	H "	
Cuba	V "	
Montreal	" "	
Buenos Aires	Z "	
Brazil	" "	
Blair	" "	
Australia	" "	

FORMULA RECORD

Exp. No. _____ Date 10-27-45 Class 6 TS Rex. No. 482
 Name S W P Hillcrest Green Card No. 2 Replaces No. _____

POUNDS	GALLONS	MATERIAL No.
175		2188
50	40	11185
50		412
8		1128
2 4		2501
25		BB 10
	10	89
		CP 72 WB
		11-28-45
	19	(4106)
	10	(48)
	8	(2)
	16	(48)
	1/2	(5026)
	1	(543)
	5	(4230)
	1/2	(4232)
	25 28 1/2	(348)

Customer S.W.CO.
 To Match STD.
 Reason for Revision Placing on alkyd basis to improve quality.
 Viscosity 25-30" @ 750F #3 at _____ hrs. after grind
 Viscosity _____ at _____ hrs. after grind
 % Solids (Run) _____
 Wt./Gal. T 9.31
 Baume _____
 Std. of Fineness 3H
 Normal Output 100
 Est. Mfg. Loss 2%
 Department I
 Package _____
 Parallel No.'s _____
 Royalty: Yes ☐; No ☐; X ☐; W ☐
 Label Analysis Checked-Date _____
 Label: No Red ☒; Red ☐
 New Std. Sample Required yes
 Date Rec'd _____
 Mill Roller _____ Bleed? _____
 Lbs. or Gals. per hour _____
 Approved _____
 Formulator Wm P. Hill
 Supt. OK

0007-SWP-062423

MANUFACTURING INSTRUCTIONS:

Application: Surface Buildings No. Coats 1 & 2

Undercoater Used _____ No. Coats _____

Method 1. Brush

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%

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 C11 Film Hard & Tough

Special Tests

DATE	SLIP No.	AMOUNT
FACTORY	FORMULA	SPEC. CARD
Exec. Cost Dept.	11-15-KS	
Cleveland	A	
Kensington	C	11-15-KS
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	I	
Buenos Aires	Z	
Brazil		
705		

Alt. A

A135 WHITE 7-45 5879

Exp. No. 1/23/46 Date 1/23/46 Class 6 Rex. No. 482

Name S W P Hillcrest Green Card No. 2 Replaces No. 1

POUNDS	GALLONS	MATERIAL No.
175		2128
120		412
20		12101
64		CP 766
12		CP 594
25		89
8		1128
?		BB 10
(OVER)	15	(48)
	3	(4230)
	20	(348)
	5	(48)
	8	(2)
	18 1/2	(4106)
	9	(348)
	1	(543)
	1/2	(4232)
	1	(5026)

Customer S W Co.
To Match Std.

Reason for Revision Alternate replacing 11184 with CP 766, 12101 and CP 594.

Viscosity 25-30 at 3 hrs. after grind
Viscosity On 3 at 3 hrs. after grind

% Solids (Run) 100
Wt. Gal. 100
Bau. 3H
Std. of Fineness 100
Normal Output 2%
Est. Mfg. Loss 2%
Department CRD
Package CRD
Parallel No. 3

Royalty: Yes ☐; No ☐; X ☒ ☐
Label Analysis Checked-Date 1/23/46
Label: No Red ☐; Red ☐
New Std. Sample Required ☐
Date Recd. Ball
Mill Ball Bleed? ☐
Lbs. or Gals. per hour 200
Approved Wm Budzick
Formulator CRD
Supt. CRD

0007-SWP-062425

Ball Mill Slush grind 6 hrs.
add 5 gals of (48) rot 1 1/2
hrs.

Method 1. **Brush**

Method 2.

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

Baking Time and Temp. _____

Special Tests.

[illegible]