FORMULA RECORD 13

CONTROL LAB. Cleveland T. S. DATE 3-11-54 REX. NO. 771

NAME Shingle Stain Gray CARD NO. 30

POUNDS	GALLONS	NEW MAT'L.	OLD MAT'L.
8	.9	886	547
300	12.6	6232	312
228	4.7	~~6040~~ 6806	412
?		BL 1	BL 1
?		BB 10	BB 10
93	12	(1521)	(2)
206	27 1/2	(2536)	(2536)*
11	1 1/2	(902)	(4230)
3 1/2	1/2	(942)	(4231)
9	1	(346)	(3044)
273	41 1/2	(151)	(5027)
*	18	(2539)	(2539)
	9 1/2	(145)	(348)

CUSTOMER Sherwin-Williams Co. CR

MFG. INSTR.

9-17-54
PBT.

WT./GAL. T 11.08 VISC. 20-25" 075 deg. F

GRIND 3H VISC. on 2

OUTPUT 100 BLEED

MFG. LOSS 2 DEPT. KG.

STOR. LOSS MILL Roller LINING

SOLIDS RATE/HR. 31 LABEL ANALYSIS

PARALLELS no FLASH PT. 100 F LABEL: NO RED ☒ RED ☐

ROYALTY: YES ☐; NO ☐; X ☐; W ☐

REASON FOR REVISION Correcting BO 10 to read BB 10.

CARD NO.

FORMULATOR [illegible] SUPT. [illegible]

TO MATCH Std.

APPLICATION: SURFACE Wood Shingles

NO. COATS 1 & 2

UNDERCOATER USED Self

METHOD 1 Brush & Dip

REDUCTION: AMOUNT _____ REDUCER USED _____

METHOD 2 _____

REDUCTION: AMOUNT _____ REDUCER USED _____

DRYING TIME / TOUCH 18hrs RECOAT 2-7days PENCIL _____

HARD _____ SAND _____ HANDLE _____

TACK FREE _____ BUB _____ WRAP _____

BAKING TIME AND TEMP. _____

GLOSS Low Oil FILM _____

SPECIAL TESTS _____

[signature] 3-17-54

REX. NO. 772 Hurdlebrook 3-17-54

CARD NO. 30 Trade Sales "

DATE 3 Quality Control "

DATE	SLIP NO.	AMOUNT
Paint Test		
Cadmium	"	
Mono	"	
Bromagen	"	
Schall	"	
Petrol	"	
Dispersion Lab	"	
Vein		

		FORMULA	SPEC. CARD
EXEC. COST DEPT.		"	
CLEVELAND	A	"	
KENSINGTON	C	"	3-17-54
PAINT RESEARCH		"	
KENS. TECH. SERV.		"	
KENS. LACQUER			
NEWARK	N	"	3-17-54
OAKLAND	O	"	
M. SENOUR	M	"	3-17-54
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-062777

FORMULA RECORD 13

CONTROL LAB. Cleveland T. S. DATE 2-8-54 REV. NO. 771

NAME Shingle Stain Gray CARD NO. 29

POUNDS	GALLONS	NEW MAT'L.	OLD MAT'L.
8	.9	886	547
300	12.6	6232	312
228	4.7	6840	412
?		BL 1	BL 1
?		BO 10	BO 10
93	12	(1521)	(2)
206	27 1/2	(2536)	(2536)*
11	1 1/2	(902)	(4230)
3 1/2	1/2	(942)	(4231)
9	1	(3A6)	(3044)
273	41 1/2	(151)	(5027)
*	18	(2539)	(2539)
	9 1/2	(345)	(348)

CUSTOMER Sherwin-Williams Co.

MFG. INSTR.

WT./GAL. 11.0 [illegible] 20-25" 75 deg.F

GRIND 3H [illegible] 1/2 cup

OUTPUT 100

MFG. LOSS 2%

STOR. LOSS

SOLIDS

PARALLEL

DEPT. NO.

MILL Roller LINING

RATE/HR. LABEL ANALYSIS

FLASH P. 110°F LABEL: NO REDUCTION

ROYALTY: YES ☐; NO ☐; X ☐; Y ☐

REASON FOR REVISION Replacing (141) with (151).

FORMULATOR [signature] SUPT. [signature]

0007-SWP-062778

TO MATCH Standard

APPLICATION: SURFACE Wood Shingles

NO. COATS 1 & 2

UNDERCOATER USED self

METHOD 1 Brush & dip

REDUCTION: AMOUNT _____ REDUCER USED _____

METHOD 2 _____

REDUCTION: AMOUNT _____ REDUCER USED _____

DRYING TIME: TOUCH 18hrs RECOAT 2-7days STENCIL _____

HARD _____ SAND _____ HANDLE _____

TACK FREE _____ RUB _____ WRAP _____

BAKING TIME AND TEMP. _____

GLOSS Low Oil FILM _____

SPECIAL TESTS _____

Disp. Lab 2-22-54

REX. NO. 771 Handlebrush 2-22-54

CARD NO. 29 Trade Sales "

DATE 2-8-54 Quality Control "

DATE	SLIP NO.	AMOUNT
Paint Test		
Vachon	"	
[illegible]	"	
Blomquist	"	
Schaeff	"	
[illegible]	"	
[illegible]	"	
[illegible]		

	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	2-22-54
PAINT RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	2-22-54
OAKLAND C	"	
M. SENOUR M	"	2-22-54
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-062779

FORMULA RECORD 13

A135

CONTROL LAB Cleveland T. S. DATE 6-15-53 REX. NO. 771

NAME Shingle Stain Gray CARD NO. 28

POUNDS	GALLONS	MATERIAL NO.
8	.9	547
300	12.6	312
228	4.7	412
?		BL 1
?		BB 10
93	12	(2)
114	15 1/4	(2536) or *
92	12 1/4	(2536) or 8-(2539) (4¼(348)
11	1 1/2	(4230)
3 1/2	1/2	(4231)
9	1	(3044) ✓
29	4 1/2	(348)
248	37	(141)
*10 gals	(2539)	
(5¼ "	(348)	

CUSTOMER Sherwin-Williams Co.

MFG. INSTR.

WT./GAL T 11.11 VISC 20-25" @75 deg F

GRIND 3H VISC on #2 cup

OUTPUT 100 BLEED

MFG. LOSS 2% DEPT. BKG

STOR. LOSS MILL Roller 29 MINING

SOLIDS RATE/HR. LABEL ANALYSIS

PARALLELS * FLASH BY LABEL NO. REQ'D: RED ☐

No Parallel ROYALTY: YES ☐; NO ☒ X ☐

CARD NO.

REASON FOR REVISION Show use of (2536) & (2539) & remove 20 dry.

FORMULATOR B Thompson SUPT. 876

0007-SWP-062780

TO MATCH Standard

APPLICATION: SURFACE Shingles

NO. COATS 1 or 2

UNDERCOATER USED

METHOD 1 Brush or Dip

REDUCTION: AMOUNT _____ REDUCER USED _____

METHOD 2

REDUCTION: AMOUNT _____ REDUCER USED _____

DRYING TIME: TOUCH 18hrs RECOAT 2-7days STENCIL _____

HARD _____ SAND _____ HANDLE _____

TACK FREE _____ RUB _____ WRAP _____

BAKING TIME AND TEMP _____

GLOSS Low Oil FILM _____

SPECIAL TESTS _____

REX. NO. 771 [illegible]

CARD NO. 28 [illegible] 6-22-53

DATE 6-15-53 [illegible]

DATE	SLIP NO.	AMOUNT
[illegible]	6-22-53	
[illegible]	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	6-32-53
PAINT RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	6-22-53
OAKLAND O	"	
M. SENOUR M	"	6-22-53
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-062781

FORMULA RECORD 13

CONTROL LAB Cleveland T. S. DATE 6-25-52 REV. NO. 771

NAME Shingle Stain Gray CARD NO. 27

POUNDS	GALLONS	MATERIAL NO.
8	.9	547
300	12.6	20 or 312
228	4.7	412
?		BL 1
?		BB 10
93	12	(2)
114	15 1/4	(2538)
92	12 1/4	(2538)
29	4 1/2	(348)
248	37	(141)
11	1 1/2	(4230)
3 1/2	1/2	(4231)
9	1	(3044)

CUSTOMER Sherwin-Williams Co.

TO MATCH Standard

REASON FOR REVISION To show (2538) in place of (310). (2538) is (310) at 70% NVM.

VISCOSITY 20-25" @ 75 deg F HRS. AFTER GRIND

VISCOSITY on #2 cup AT HRS. AFTER GRIND

% SOLIDS (RUN)

WT./GAL. T 11.11

BAUME

STD. OF FINENESS 3H

NORMAL OUTPUT 100

EST. MFG. LOSS 2%

DEPARTMENT

PACKAGE

PARALLEL NO.'S No Parallel

ROYALTY: YES ☐; NO ☐; X ☐; W ☐

LABEL ANALYSIS CHECKED

LABEL NO. RED ☐; RED ☐

NEW STD. SAMPLE REQUIRED

DATE REC'D

MILL Roller BLEED?

LBS. OR GALS. PER HOUR

APPROVED

FORMULATOR

SUPT.

0007-SWP-062782

MANUFACTURING INSTRUCTIONS:

1950-51 13384

APPLICATION: SURFACE Shingles

NO. COATS 1 or 2

UNDERCOATER USED

METHOD 1 Brush or dip

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 18hrs RECOAT 2-7days STENCIL

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Low Oil FILM

SPECIAL TESTS

Rx 771

DATE	SLIP NO.	AMOUNT
Mem. Buyers		7-8-52
Trail Sales		"
Paint Test		"
Art Andrews		"
Oaks		"
Mauchonne		"
[illegible]		"
Bloomgate		"
Schaeff		"

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	7-8-52
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	7-8-52
OAKLAND O		
M. SENOUR M	"	7-8-52
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-062783

FORMULA RECORD 13

A135

CONTROL LAB Cleveland T. S. DATE 4-28-52 REX. NO. 771

NAME Shingle Stain Gray CARD NO. 26

POUNDS	GALLONS	MATERIAL NO.
8	.9	547
300	12.6	20 or 312
228	4.7	412
?		BL 1
?		BB 10
92	12	(2)
80	10	(48) or (310)
33	5	(348)
64	8	(48)or (310)
59	9	(348)
248	37	(141)
11	1 1/2	(4230)
3 1/2	1/2	(4231)
9	1	(3044)

CUSTOMER Sherwin-Williams Co.

TO MATCH Standard

REASON FOR REVISION Voiding (2511) and bringing formula up to date

VISCOSITY 20-25" @75°F AT ___ HRS. AFTER GRIND

VISCOSITY on #2 cup AT ___ HRS. AFTER GRIND

% SOLIDS (RUN) ___

WT./GAL. T 11.11

BAUME ___

STD. OF FINENESS H

NORMAL OUTPUT 100

EST. MFG. LOSS 2%

DEPARTMENT ___

PACKAGE ___

PARALLEL NO.'S No Parallel

ROYALTY: YES ☐; NO ☐; X ☐; W ☐

LABEL ANALYSIS CHECKED ___

LABEL NO. RED ☐; RED ☐

NEW STD. SAMPLE REQUIRED ___

DATE REC'D ___

MILL Roller BLEED? ___

LBS. OR GALS. PER HOUR ___

APPROVED ___

FORMULATOR [signature]

SUPT. [signature]

CARD NO.

0007-SWP-062784

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Shingles

NO. COATS 1 or 2

UNDERCOATER USED

METHOD 1 Brush or dip

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 18hrs RECOAT 2-7days STENCIL

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Low Oil FILM

SPECIAL TESTS

Rex 771

DATE	SLIP NO.	AMOUNT
[illegible]	[illegible]	5-2-52
[illegible]	[illegible]	"
[illegible]	[illegible]	"
[illegible]	[illegible]	"
[illegible]	[illegible]	"
[illegible]	[illegible]	"
[illegible]	[illegible]	"
[illegible]	[illegible]	"
[illegible]	[illegible]	"

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	5-2-52
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	5-2-52
OAKLAND O	"	
M. SENOUR M	"	5-2-52
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-062785

FORMULA RECORD 13

CONTROL LAB Cleveland T. S. DATE 10-15-51 REV. NO. 771.

NAME Shingle Stain Gray CARD NO. 25

POUNDS	GALLONS	MATERIAL NO.
8	.9	547
300	12.6	20 or 312
228	4.7	412
?		BL 1
?		BB 10
92	12	(2)
80	10	(48)or(310)
33	5	(348)
64	8	(48)or(310)
59	9	(348)
248	37	(141)
11	1 1/2	(4230)
3 1/2	1/2	(4231)
9	1	(304)or(2511)

CUSTOMER Sherwin-Williams Co.

TO MATCH Standard

REASON FOR REVISION To bring raw material up to date and to show 312 dry as alternate for 20 dry.

VISCOSITY 20-25" @ 75°F HRS. AFTER GRIND

VISCOSITY for #2 Cup HRS. AFTER GRIND

% SOLIDS (RUN) ROYALTY TESTED NO. [illegible]

WT./GAL. T 11.11 LABEL ANALYSIS CHECKED

BAUME LABEL NO. REVD; RED'D

STD. OF FINENESS 3H NEW STD. SAMPLE REQUIRED

NORMAL OUTPUT 10 DATE REC'D

EST. MFG. LOSS 2% MILL Roller BLEED?

DEVELOPMENT LBS. OR GALS. PER HOUR

PACKAGE APPROVED

PARALLEL NO.'S FORMULATOR

No Parallel SUPT.

0007-SWP-032786

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Shingles

NO. COATS 1 or 2

UNDERCOATER USED

METHOD 1 Brush or dip

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 18 hrs RECOAT 2-7days STENCIL

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Low Oil FILM

SPECIAL TESTS

Rex 771

DATE	SLIP NO.	AMOUNT
Mesm-Beyers		10-22-57
Trade Sales		"
Paint Test		"
Schaytz		"
Carlson		"
Marchase		"
Pent		"
Blomquist		"
Schaff		"

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	10-22-57
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	10-22-57
OAKLAND O	"	
M. SENOUR M	"	10-22-57
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-062787

FORMULA RECORD 13

CONTROL LAB Cleveland T. S. DATE 5-14-51 REV. NO. 771

NAME Shingle Stain Gray CARD NO. 24

POUNDS	GALLONS	MATERIAL NO.
8	.9	547 10-15-51
300	12.6	20 or 312
228	4.7	472
?		BL 1
?		BR 10
92	12	(2)
80	10	(148) or (310)
33	5	(348)
64	8	(148) or (310)
59	9	(348)
248	37	(110)
11	1 1/2	~~(901) or (900)~~ (42 30)
3 1/2	1/2	~~(941)~~ (42 34)
9	1	(3044) or (2511)

CUSTOMER Sherwin-Williams Co.

TO MATCH Standard

REASON FOR REVISION To change (4231) to read (941).

VISCOSITY 20-25" @ 75°F AT ___ HRS. AFTER GRIND

VISCOSITY on #2 Cup AT ___ HRS. AFTER GRIND

% SOLIDS (RUN) ___

WT./GAL. ___

BAUME ___

STD. OF FINENESS 3H

NORMAL OUTPUT 100

EST. MFG. LOSS 2%

DEPARTMENT ___

PACKAGE ___

PARALLEL NO.'S No Parallel

ROYALTY: YES ☐ NO ☐ X ☐ W ☐

LABEL ANALYSIS CHECKED ___

LABEL CORRECTED ☐

NEW STD. SAMPLE REQUIRED ___

DATE REC'D ___

MILL Roller BLEED? ___

LBS. OR GALS. PER HOUR ___

APPROVED ___

FORMULATOR ___

SUPT. ___

0007-SWP-062788

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Shingles

NO. COATS 1 or 2

UNDERCOATER USED

METHOD 1 Brush or Dip

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 18hrs RECOAT 2-7days STENCIL

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Low Oil FILM

SPECIAL TESTS

Rex 771

DATE	SLIP NO.	AMOUNT
[illegible]	5-15-51	
[illegible]	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	5-15-51
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	5-15-51
OAKLAND O	"	
M. SENOUR M	"	5-15-51
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-062789

FORMULA RECORD 13

A135

CONTROL LAB Cleveland T. S. DATE 6-23-50 REX. NO. 771

NAME Shingle Stain Gray CARD NO. 21

POUNDS	GALLONS	MATERIAL NO.
8	.9	547
300	12.6	20
228	4.7	412
?		BL 1
?		BB 10
92	12	~~(1273) or (3014)~~ (2)
80	10	(48) or (310)
33	5	(348)
64	8	(48) or (310)
59	9	(348)
248	37	(141)
11	1 1/2	(4230)
3 1/2	1/2	(4231)
9	1	(3044) or (2511)

CUSTOMER Sherwin-Williams Co.

TO MATCH Standard

REASON FOR REVISION To replace (3006) with (1273) or (3014) and (3044) as an alternate for (2511).

VISCOSITY 20-25" @ 75°F AT HRS. AFTER GRIND

FINENESS OF GRIND #2 cup AT HRS. AFTER GRIND

SPECIFICATIONS (RUN)

WT./GAL. 11.11

BAUME

STD. OF FINENESS 3H

NORMAL OUTPUT 100

EST. MFG. LOSS 2%

DEPARTMENT

PACKAGE

PARALLEL NO.'S No Parallel

ROYALTY: YES ☐; NO ☐; X ☐; W ☐

LABEL ANALYSIS CHECKED-DATE

LABEL: NO. REQ'D; REQ'D

NEW STD. SAMPLE REQUIRED

DATE REC'D

MILL Roller BLEED?

LBS. OR GALS. PER HOUR

APPROVED

FORMULATOR

SUPT.

0007-SWP-062790

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Shingles

NO. COATS 1 or 2

UNDERCOATER USED

METHOD 1 Brush or Dip

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 18hrs RECOAT 2-7days STENCIL

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Low Oil FILM

SPECIAL TESTS

Rex-771

DATE	SLIP NO.	AMOUNT
Meng	6-28/50	
Beyer	"	
[illegible]	"	
Carlson	"	
DD	"	
E Dust	"	
DD Lonquist	"	
[illegible]	"	
Schantz	"	

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	6/28/50
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	6-28/50
OAKLAND O	"	
M. SENOUR M	"	6-28-50
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-062791

FORMULA RECORD 13

CONTROL LAB Cleveland T. S. DATE 1-19-51 R.M. NO. 771

NAME Shingle Stain Gray CARD NO. 23

POUNDS	GALLONS	MATERIAL NO.
8	.9	547
300	12.6	20
228	4.7	412
?		BL 1
?		BB 10
92	12	(2)
80	10	(48) or (310)
33	5	(348)
64	8	(48) or (310)
59	9	(348)
248	37	(141)
11	1 1/2	(901) or (900)
3 1/2	1/2	~~(2 [illegible])~~ (941) P.O.T. 5-14-51
9	1	(3044) or (2511)

CUSTOMER Sherwin-Williams Co.

TO MATCH Standard CR

REASON FOR REVISION

To conserve Cobalt.

And To show Tallato Driers.

VISCOSITY 20-25" [illegible] HRS. AFTER GRIND

VISCOSITY on #2 cup [illegible] HRS. AFTER GRIND

% SOLIDS (RUN)

WT./GAL T 11.11

BAUME

STD. OF [illegible]

NORMAL OUTPUT 100

PST. MFG. [illegible]

PACKAGE

PARALLEL NO.'S No Parallel

ROYALTY [illegible] 24; NO ☐; X ☐; W ☐

LABEL ADJUSTS CHECKED

LABEL NO. RED ☐ BLUE ☐

NEW STD. [illegible] NO

DATE RECD.

MILL Roller BLEEDS

LBS. OR GALS. PER HOUR

APPROVED [illegible]

FORMULA [illegible]

SUPT. [illegible]

0007-SWP-062792

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Shingles

NO. COATS 1 or 2

UNDERCOATER USED

METHOD 1 Brush or Dip

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 18hrs RECOAT 2-7 days TENCIL

HARD SAND SAMPLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Low Oil FILM

SPECIAL TESTS

Rex 771

DATE	SLIP NO.	AMOUNT
Henry	1-26-57	
Blyth	"	
T.S.	"	
P. Test	"	
Schautz	"	
Carlson	"	
E. Dust	"	
D. Dust	"	
Bloomquist	"	

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	1-26-57
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	1-26-57
OAKLAND O	"	
M. SAMOUR M	"	1-26-57
DETROIT D	"	
LOS ANGELES P	"	
DALLAS T	"	
DAYTON L	"	
[illegible]	"	
[illegible]	"	
CUBA	"	
MONTREAL G	"	
BUENOS AIRES Z	"	
BRAZIL S	"	
[illegible]	"	
[illegible]	"	

0007-SWP-062793

FORMULA RECORD 13

A123

CONTROL LAB. Cleveland T. S. DATE 11-14-50 REV. NO. 771

NAME Shingle Stain Gray CARD NO. 22

POUNDS	GALLONS	MATERIAL NO.
8	.9	547
300	12.6	20
228	4.7	412
?		BL 1
?		BB 10
92	12	(2)
80	10	(48) or (310)
33	5	(348)
64	8	(48) or (310)
59	9	(348)
248	37	(141)
11	1 1/2	~~(4230)~~ (901) as 900
3 1/2	1/2	(4231)
9	1	(3044) or (2511)

CUSTOMER Sherwin-Williams Co.

TO MATCH Standard

REASON FOR REVISION To simplify Raw Materials

VISCOSITY 20-25" @75 deg F HRS. AFTER GRIND

VISCOSITY on #2 cup AT HRS. AFTER GRIND

% SOLIDS (RUN)

WT./GAL. T 11.11

BAUME

STD. OF FINENESS 3H

NORMAL QUANTITY 100

EST. MFG. COST

DEPARTMENT

PACKED

PARALLEL NO.'S No Parallel

ROYALTY: YES ☐; NO ☐; X ☐; W ☐

LABEL ANALYSIS CHECKED

LABEL: NO REQ'D; RED ☐

NEW STD. SAMPLE REQUIRED

DATE REC'D

MILL Roller BLEED?

LBS. OR G.P.S. PER HOUR

APPROVED

FORMULATOR

SUPT.

0007-SWP-062794

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Shingles

NO. COATS 1 or 2

UNDERCOATER USED

METHOD 1 Brush or Dip

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 18hrs RECOAT 2-7days STENCIL

HARD SAND HANDLE

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Low Oil FILM

SPECIAL TESTS

Rex 771

DATE	SLIP NO.	AMOUNT
[illegible]	11/24/50	
[illegible]	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	
DD	"	
[illegible]	"	

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	4	
CLEVELAND A	4	
KENSINGTON C	4	11/24/50
ALLIED RESEARCH	11	
KENS. TECH. SERV.	4	
KENS. LACQUER		
NEWARK N	4	11/24/50
OAKLAND O	4	
N. SENOUR M	4	11/24/50
DETROIT D	4	
LOS ANGELES P	4	
DALLAS T	4	
DAYTON L	4	
GIBBSBORO F	4	
EXEC. MFG.	4	
CUBA H	4	
MONTREAL G	4	
BUENOS AIRES Z	4	
BRAZIL S	4	
RES ADM	4	
MEXICO		

0007-SWP-062795

FORMULA RECORD 13

A135

CONTROL LAB Cleveland T. S. DATE 6-15-50 REX. NO. 771

NAME Shingle Stain Gray CARD NO. 20

POUNDS	GALLONS	MATERIAL NO.
8	.9	547
300	12.6	20
228	4.7	412
?		BL 1
?		BB 10
		(1273) or (3014)
92	12	~~(3006)~~
80	10	(48) or (310)
33	5	(348)
64	8	(48) or (310)
59	9	(348)
248	37	(141)
11	1 1/2	(4230)
3 1/2	1/2	(4231)
9	1	(2511) ~~(3044)~~

CUSTOMER Sherwin-Williams Co.

TO MATCH Std.

REASON FOR REVISION To show (310) as alternate, for (48).

VISCOSITY 20-25" [illegible] HRS. AFTER GRIND

VISCOSITY OF #2 [illegible] HRS. AFTER GRIND

% SOLIDS (RUN)

WT./GAL T 11.11

BAUME

STD. OF FINENESS 3H

NORMAL OUTPUT 100

EST. MFG. LOSS 2%

DEPARTMENT

PACKAGE

PARALLEL NO.'S No Parallel

ROYALTY: YES ☐, NO ☐, X ☐, W ☐

LABEL ANALYSIS CHECKED-DATE

LABEL: NO. RED ☒; RED ☐

NEW STD. SAMPLE REQUIRED

DATE REC'D

MILL Roller BLEED?

LBS. OR GALS. PER HOUR

APPROVED

FORMULATOR [signature]

SUPT. [signature]

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Shingles

NO. COATS 1 or 2

UNDERCOATER USED

METHOD 1 Brush or Dip

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 18 hrs RECOAT 2-7 days when Lam STENCIL

HARD SAND HANDLE 4-5 hrs

TACK FREE 6-27-50 WRAP

BAKING TIME AND TEMP.

GLOSS Low Oil FILM

SPECIAL TESTS To be recoated O'Nite on new work.

Rex 771

DATE	SLIP NO.	AMOUNT
Menn	6/19/50	
Begun	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	
Bloomfield	"	
DD	"	
E Dept	"	
Carlson	"	

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	6-19-50
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	6-19-50
OAKLAND O	"	
M. SENOUR M	"	6-19-50
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-062797

FORMULA RECORD 13

CONTROL LAB Cleveland T. S. DATE REV. NO. 771

NAME Shingle Stain Gray CARD NO. 19

POUNDS	GALLONS	MATERIAL NO.
8	.9	547
300	12.6	20
228	4.7	412
?		BL 1
?		BB 10
92	12	(3006)
80	10	(48)
33	5	(348)
64	8	(48)
59	9	(348)
248	37	(141)
11	1 1/2	(4230)
3 1/2	1/2	(4231)
9	1	(2511)

CUSTOMER Sherwin-Williams Co.

TO MATCH Std.

REASON FOR REVISION To show correct Viscosity

VISCOSITY 20-[illegible] 75° F [illegible] HRS. [illegible] GRIND

[illegible] #2 cup [illegible] HRS. [illegible] GRIND

[illegible] SOLIDS (RUN) [illegible] ROYAL [illegible]

WT./GAL T11.[illegible] LABEL [illegible]

LABEL: NO. RED [illegible] RED [illegible]

STD. OF FINENESS 3H NEW STD. SAMPLE REQUIRED

NORMAL OUTPUT 00 [illegible]

[illegible] MILL [illegible] BLEED?

DEPARTMENT [illegible] [illegible] PER HOUR

PACKAGE [illegible]

PARALLEL NO.'S No Parallel FORMULATOR [illegible]

SUPT. [illegible]

CARD NO. [illegible]

0007-SWP-062798

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Shingles

NO. COATS 1 or 2

UNDERCOATER USED

METHOD 1 Brush or Dip

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 2-3hrs RECOAT when laid STENCIL

HARD SAND HANDLE 4-5hrs

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Low Oil FILM

SPECIAL TESTS To be recoated O'Nite on new work.

Rx 771

DATE	SLIP NO.	AMOUNT
[illegible]	12/29/[illegible]	
[illegible]	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	
Mike	"	
Carlson	"	

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	12/29/[illegible]
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	12/29/[illegible]
OAKLAND O	"	
M. SENOUR M	"	12/29/[illegible]
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-062799

FORMULA RECORD 10

A138

CONTROL NO. Cleve. T. S. DATE 7/25/49 REF. NO. 771

NAME Shingle Stain Gray CARD NO. 18

POUNDS	GALLONS	MATERIAL NO.
8	.9	547
300	12.6	20
228	4.7	412
?		BL 1
?		BB 10
92	12	(3006)
80	10	(48)
33	5	(348)
64	8	(48)
59	9	(348)
248	37	(141)
11	1 1/2	(4230)
3 1/2	1/2	(4231)
9	1	(2511)

CUSTOMER Sherwin-Williams Co.

TO MATCH Standard

REASON FOR REVISION

To correct error in Wt./Gal.

VISCOSITY 18-20" @ 75 deg. F. HRS. AFTER GRIND

VISCOSITY On #2 Cup AT HRS. AFTER GRIND

% SOLIDS (RUN)

WT./GAL. T 11.12

BAUME

STD. OF FINENESS 3H

NORMAL OUTPUT 100

EST. MFG. LOSS 2%

DEPARTMENT

PACKAGE

PARALLEL NO.'S

ROYALTY: YES ☐, NO ☐; X ☐; W ☐

LABEL ANALYSIS CHECKED-DATE

LABEL NO. RED ☒; RED ☐

NEW STD. SAMPLE REQUIRED

DATE REC'D

MILL Roller BLEED?

LBS. OR GALS. PER HOUR

APPROVED

FORMULATOR

SUPT.

0007-SWP-062800

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Shingles

NO. COATS Good 1

UNDERCOATER USED

METHOD I Brush and Dip

REDUCTION: AMOUNT REDUCER USED

METHOD II

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 1-2hrs RECOAT when laid STENCIL

HARD SAND HANDLE 3-4hrs

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Low Oil FILM

SPECIAL TESTS

To be recoated overnight on new work.

771

DATE	SLIP NO.	AMOUNT
[illegible]	8/8/49	
[illegible]	"	
[illegible]	"	
T-8	"	
[illegible]	"	
[illegible]	"	
[illegible]	"	
R. Schantz	"	

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND A	"	
KENSINGTON C	"	8-1-49
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	8-10-49
OAKLAND O	"	
M. SENOUR M	"	8-8/49
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-062801

FORMULA RECORD

CONTROL LAB Cleveland T.S. DATE 6/13/49 REV. NO. 771

NAME Shingle Stain Gray CARD NO. 17

POUNDS	GALLONS	MATERIAL NO.
8	.9	547
300	12.6	20
228	4.7	412
?		BL 1
?		BB 10
92	12	(3006)
80	10	(48)
33	5	(348)
64	8	(48)
59	9	(348)
248	37	(141)
11	1 1/2	(4230)
3 1/2	1/2	(4231)
9	1	(2511)

CUSTOMER Sherwin Williams Co.

TO MATCH Standard

REASON FOR REVISION Replacing (3014) with (3006) and bring card up to date.

VISCOSITY 18-20" @75 deg AT F. HRS. AFTER GRIND

VISCOSITY Ost #2 Cup HRS. AFTER GRIND

% SOLIDS (RUN)

WT./GAL. T 14.04

BAUME T 11.1 L

SPD. OF FINENESS 3H

NORMAL OUTPUT 100

EST. MFG. LOSS 2%

DEPARTMENT

PACKAGE

PARALLEL NO.'S

ROYALTY: YES ☐ NO ☐; X ☐; W ☐

LABEL ANALYSIS CHECKED-DATE

LABEL NO. RED ☐; RED ☐

NEW STD. SAMPLE REQUIRED

DATE REC'D

MILL Roller BLEED?

LBS. OR GALS. PER HOUR

APPROVED

FORMULATOR

SUPT.

0007-SWP-062802

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Shingles

NO. COATS Good 1

UNDERCOATER USED

METHOD 1 Brush and Dip

REDUCTION: AMOUNT REDUCER USED

METHOD 2

REDUCTION: AMOUNT REDUCER USED

DRYING TIME: TOUCH 1-2hrs RECOAT when laid STENCIL

HARD SAND HANDLE 3-4hrs

TACK FREE RUB WRAP

BAKING TIME AND TEMP.

GLOSS Low Oil FILM

SPECIAL TESTS To be recoated overnight on new work.

771

DATE	SLIP NO.	AMOUNT
[illegible]	6-17-77	
[illegible]	"	
[illegible]	"	

FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	6-17-77	
CLEVELAND A	"	
KENSINGTON C	"	6-17-77
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER		
NEWARK N	"	
OAKLAND O	"	
M. SENOUR M	"	
DETROIT D	"	
LOS ANGELES P	"	
DALLAS T	"	
DAYTON	"	
GIBBSBORO F	"	
EXEC. MFG.	"	
CUBA H	"	
MONTREAL G	"	
BUENOS AIRES Z	"	
BRAZIL S	"	
RES ADM	"	
MEXICO		

0007-SWP-062803

A135 WHITE

FORMULA RECORD

Exp. No. _____ Date 5/6/48 Class 13 Rex. No. 771

Name ~~Progressive~~ Shingle Stain Gray Card No. 16 Replaces No. 15

POUNDS	GALLONS	MATERIAL No.
8		547
300		20 L
228		412
?		BL 1
?		BB 10
92	12	(3014)
80	10	~~(3316)~~ (48)
32 1/2	5	(348)
64	8	~~(3316)~~ (48)
59	9	(348)
244	36 1/2	(141)
11	1 1/2	(4230)
3 1/2	1/2	(4231)
3 1/2	1/2	~~(4232)~~ (141)
9	1	(2511)

Customer Sherwin Williams Co.

To Match Standard

Reason for Revision To lower cost by using screenings oil, (3014)

Viscosity 18-20" @75 deg F. at hrs. after grind

Viscosity On #2 Cup at hrs. after grind

% Solids (Run) 5/27/48 AH

Wt./Gal. 11.09

Baume

Std. of Fineness 3H

Normal Output 100

Est. Mfg. Loss 2%

Department

Package

Parallel No.'s

Royalty: Yes □; No □; X □; W □

Label Analysis Checked-Date

Label: No Red □; Red □

New Std. Sample Required

Date Rec'd

Mill Roller Bleed?

Lbs. or Gals. per hour

Approved

Formulator K. F. Sauer

Supt. [signature]

0007-SWP-062804

MANUFACTURING INSTRUCTIONS:

Application: Surface Shingles No. Coats Good 1

Undercoater Used No. Coats

Method 1 Brush

Reduction: Amount Reducer Used

Method 2 Dip

Reduction: Amount Reducer Used

Drying Time: Touch 1-2hr. Reco When laid Stencil

Hard Sand Handle 3hrs.

Tack Free Rub Wrap

Baking Time and Temp.

Gloss Low Oil Film

Special Tests To be recoated overnight on new work.

S. 5/27/48

DATE	SLIP No.	AMOUNT
Allen 5/26/48		
Byers		
H.P. Carlson		

FACTORY		FORMULA	SPEC. CARD
Exec. Cost Dept.		11	
Cleveland	A	11	
Kensington	C	11	5/24/48
Allied Research		11	
Kens. Tech. Serv.		11	
Kens. Lacquer			
Newark	N	11	
Oakland	O	11	
M. Senour	M	11	
Detroit	D	11	
Los Angeles	P	11	
Dallas	T	11 Dump	5/3/49
Dayton	B	11	
Gibbsboro	F	11	
Pittsburgh	H		
Cuba	V	11	
Montreal		11	
Buenos Aires	Z	11	
Brazil		11	
Flame		11	
T.S.		11	

FORMULA RECORD A135 WHITE 9-48 3311 D

Exp. No. _____ Date 2-20-47 Class 13 Rex. No. 771

Name Perservative Shingle Stain Gray Card No. 15 Replaces No. 14

POUNDS	GALLONS	MATERIAL No.
8		547
300		20 L
228		412
~~BL 1 and BB 10~~		BL 1 and BB 10
93	12	(2)
80	10	(3316)
32 1/2	5	(348)
64	8	(3316)
59	9	(348)
244 ~~242~~	36 1/2	(141)
11	1 1/2	(4230)
3 1/2	1/2	(4231)
3 1/2	1/2	(4232)
9	1	(2511)

Customer S W Co.

To Match Std.

Reason for Revision To conserve linseed oil.

Viscosity 18-20" @75° at _____ hrs. after grind

Viscosity On 2 Cup at _____ hrs. after grind

% Solids (Run) _____

Wt./Gal. 7.11

Baume _____

Std. of Fineness 3H

Normal Output 100

Est. Mfg. Loss 2%

Department _____

Package _____

Parallel No.'s _____

Royalty: Yes ☐; No ☐; X ☐; W ☐

Label Analysis Checked-Date _____

Label: No Red ☐; Red ☐

New Std. Sample Required _____

Date Rec'd _____

Mill Roller Bleed? _____

Lbs. or Gals. per hour _____

Approved _____

Formulator Sam Huey

Supt. 876

CARD NO

0007-SWP-062806

MANUFACTURING INSTRUCTIONS:

Application: Surface Shingles No. Coats Good 1

Undercoater Used No. Coats

Method 1 Brush

Reduction: Amount Reducer Used

Method 2 Dip (SF)

Reduction: Amount Reducer Used

Drying Time: Touch 1-2Hrs Recoat When laid Stencil 3 Hrs.

Hard Sand Handle

Tack Free Rub Wrap

Baking Time and Temp.

Gloss Low oil Film

Special Tests To be recoated O'nite on new work.

[illegible] 4/5/47

771

DATE	SLIP No.	AMOUNT
Merry	3-5-47	
V. Mills	"	

FACTORY		FORMULA	SPEC. CARD
Exec. Cost Dept.		"	
Cleveland	A	"	
Kensington	C	"	3-5-47
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		"	
[illegible]		"	
[illegible]		"	

0007-SWP-062807