

NAME Shingle Stain Indian Red.

POUNDS	GALLONS	NEW MAT'L	OLD MAT'L	CUSTOMER	Sherrin-Williams Co.
3	.3	886	517	MFG. INSTR.	
8	.2	6822	1121		
90	2.1	8118	211		
1	1/2	(1960)	(5091)		
79	12	(151)	(5027)		
11	1 1/2	(902)	(1230)	WT./GAL. T 7.81	visc. 20-25" 075 deg. F
162	21	(1521)	(2)	GRIND 3 4.5	visc. on #1 cup
				OUTPUT 100	11-12-54
98	13	(3613)	(6107)	MFG. LOSS 2%	PKG.
9	1 1/4	(912)	(1231)	STOR. LOSS	MILL Ball LINING
9	1	(3A6)	(3011)	SOLIDS	RATE/HR. LABEL ANALYSIS
321	19 1/4	(151)	(5027)	PARALLELS NO	FLASH PT. 100°F LABEL: NO RED; REDD
					ROYALTY: YES ☐ ; NO ☐ ; X ☐ ; W ☐
				REASON FOR REVISION	Replacing (111)
					With (151).
				FORMULATOR	SUP. S.H.

* Grind 2hrs
 ** Add & run 1 hour
 *** Thindown

0007-SWP-062750

CONTROL LAB			FORMULA RECORD		13
Cleveland T. S.			DATE	4-28-52	REC. NO. 765
NAME Shingle Stain Indian Red					CARD NO. 22
POUNDS	GALLONS	MATERIAL NO.	CUSTOMER Sherwin-Williams Co.		
3	.3	547	TO MATCH Standard		
8	.2	6802 or 1424			
		or 6828	REASON FOR REVISION Voiding (2511) and		
90	2.2	214	bringing formula up to date.		
4	1/2	(5094)			
80	12	(141)	VISCOSITY 20-25 AT 100° F.		
			VISCOSITY on #1 cm AT 100° F.		
11	1 1/2	(4230)	% SOLIDS (RUN)		
161	21	(2)	WT./GAL 7.86		
			BAUME		
98	13	(6107)	STD. OF FINENESS 3H		
8 1/2	1 1/4	(1231)	NORMAL CONTENT 100		
9	1	(3044)	EST. MFG. LOSS 2%		
330	19 1/4	(141)	DEPARTMENT		
	* Grind	2 hrs	PACKAGE		
	** add 4	Run 1 hr	PARALLEL NO.'S		
	*** Thindown		No Parallel		
			ROYALTY: YES ☐ ; NO ☐ ; X ☐ ; W ☐		
			LAB. ANALYSIS CHECKED		
			LAB. NO. RED ☐ ; RED ☐		
			NEW STD. SAMPLE REQUIRED		
			DATE RECD		
			MILL ☐ BLEED?		
			LBS. OR GALS. PER HOUR		
			APPROVED		
			FORMULATOR		
			SUPT. <i>SLB</i>		

Rex 765

[illegible]

CONTROL LAB			FORMULA RECORD		13
Cleveland T. S.			DATE 10-15-51		REL. NO. 765
NAME Shingle Stain Indian Red			CARD NO. 21		
POUNDS	GALLONS	MATERIAL NO.	SHELLER Sherwin-Williams Co.		
3	.3	517	MATCH Standard		
8	.2	1123 or 1124 or 6828			
90	2.2	211	REASON FOR REVISION: To bring raw material up to data, and show 6828 as Alt. for 1124 dry.		
1	1/2	(5001)			
80	12	(111)			
			VISCOSITY 20-25" 675°F		
			VISCOSITY ON 71 CND		
11	1 1/2	(1230)	HRS. AFTER GRIND		
161	21	(2)	HRS. AFTER GRIND		
			% SOLIDS (RUN)		
			WT/GAL 7.86		
			BAUME		
			STD. OF FINENESS 311		
98	13	(6107)	NEW STD. SAMPLE REQUIRED		
8 1/2	1 1/4	(1231)	DATE REC'D		
9	1	(3011) or (2511)	MILL Ball		
330	19 1/4	(111)	BLEED?		
			LBS. OR GALS. PER HOUR		
			APPROVED		
			FORMULATOR		
			PARALLEL NO.'S		
			No Parallel		
			* Grind 2hrs		
			** Add & Run 1hr. *** Thindown		
			SUPT.		

Bex 765

[illegible]

0007-SWP-362753

FORMULA RECORD 13

CONTROL LAB Cleveland T. S. DATE 2-15-51

REV. NO. 765

NAME Shingle Stain Indian Red

CARD NO. 20

POUNDS	GALLONS	MATERIAL NO.	REASON FOR REVISION
3	.3	547	Sherwin-Williams Co. Standard
8	.2	1125 or 1124	To match Standard
90	2.2	214	To match Standard
4	1/2	(5094)	of (3644) to (6107)
80	12	(111)	
11	1 1/2	(901) or (900)	
161	21	(2)	
98	13	(6107)	
8 1/2	1 1/4	(941) or (940)	
9	1	(3044) or (2511)	
330	49 1/4	(111)	

VISCOSITY	75°F	AT	HRS. AFTER GRIND
VISCOSITY	ON	UP	HRS. AFTER GRIND
% SOLIDS (RUN)	7.86		
BAUME			
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 Ball			BLEED?
LBS. OR GALS. PER HOUR			
APPROVED			
FORMULATOR			
SUET			

0007-SWP-062754

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Wood ShingleNO. 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

1.

Barbora Ref 765

DATE	SLIP NO.	AMOUNT
<u>2-20-51</u>	<u>11</u>	
<u>2-20-51</u>	<u>11</u>	
<u>2-20-51</u>	<u>11</u>	
<u>2-20-51</u>	<u>11</u>	
<u>2-20-51</u>	<u>11</u>	
<u>2-20-51</u>	<u>11</u>	
<u>2-20-51</u>	<u>11</u>	
<u>2-20-51</u>	<u>11</u>	
<u>2-20-51</u>	<u>11</u>	
FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	<u>11</u>	
CLEVELAND	<u>11</u>	
KENSINGTON	<u>11</u>	<u>2-20-51</u>
ALLIED RESEARCH	<u>11</u>	
KENS. TECH. SERV.	<u>11</u>	
KENS. LACQUER	<u>11</u>	
NEWARK	<u>11</u>	<u>2-20-51</u>
OAKLAND	<u>11</u>	
M. SENOUR	<u>11</u>	<u>2-20-51</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>	
BRAGI	<u>11</u>	
RES ADH.	<u>11</u>	
NEWCO	<u>11</u>	

0007-SWP-062755

FORMULA RECORD 13			AI35	
CONTROLLAB Cleveland T. S.		DATE 9-27-50	REX. NO. 765	
NAME Shingle Stain Indian Red		CARD NO. 17		
POUNDS	GALLONS	MATERIAL NO.	CUSTOMER Sherwin-Williams Co.	
3	.3	547	TO MATCH Std.	
8	.2	1425 or 1424		
90	2.2	214	REASON FOR REVISION To show (3644)	
			* replacing (6107)	
4	1/2	(5094)		
80	12	(141)		
11	1 1/2	(4230)	VISCOSITY 20-25" @ 75°F AT HRS. AFTER GRIND	
161	21	(1273) or (3014)	VISCOSITY on #1 cup AT HRS. AFTER GRIND	
98	13	(3644)	2.52 LBS (RUN) ROYALTY YES ☐ NO ☐ X ☐ W ☐	
5	3/4	(4231)	WT/GAL T 7.86 LABEL ANALYSIS CHECKED DATE	
3 1/2	1/2	(4232)	BALANCE 15.350 LABEL NO. RED ☐ RED ☐	
9	1	(3044) or (2511)	STD. OF FINENESS 3H NEW STD. SAMPLE REQUIRED	
330	49 1/4	(141)	NORM. OUTPUT 100 DATE REC'D	
* Grind 2hrs			EST. MFG. LOSS 2% Mill Ball Mill BLEED?	
** Add & Run 1 hr.			DEPARTMENT	
*** Thindown			PACKAGE APPROVED	
			PARALLEL NO.'S FORMULATOR	
			No Parallel	
			SUPT.	

0007-SWP-062756

MANUFACTURING INSTRUCTIONS:

Rex-765

			DATE	SLIP NO.	AMOUNT
			<i>May</i>	<i>9-28-50</i>	
			<i>Byrd</i>	"	
			<i>F.B.</i>	"	
			<i>Shantz</i>	"	
			<i>Reid</i>	"	
APPLICATION: SURFACE <u>Wood Shingle</u>			<i>Edwards</i>	"	
NO. COATS <u>1 or 2</u>			<i>W.D.</i>	"	
UNDERCOATER USED			<i>Blomquist</i>	"	
METHOD 1 <u>Brush or Dip</u>			FACTORY	FORMULA	SPEC. CARD
REDUCTION: AMOUNT -- REDUCER USED			EXEC. COST DEPT.	"	
			CLEVELAND	"	
			KENSINGTON	"	<i>9-28-50</i>
METHOD 2			ALLIED RESEARCH	"	
REDUCTION: AMOUNT -- REDUCER USED			KENS. TECH. SERV.	"	
			KENS. LACQUER	"	<i>9-28-50</i>
			NEWARK	"	
DRYING TIME: TOUCH <u>18hrs</u> RECOAT <u>2-7days</u> STENCIL			OAKLAND	"	
HARD SAND HANDLE			M. SENOUR	"	<i>9-28-50</i>
TACK FREE RUB WRAP			DETROIT	"	
			LOS ANGELES	"	
			DALLAS	"	
BAKING TIME AND TEMP.			DAYTON	"	
Gloss <u>Low Oil</u> FILM			CINCINNATI	"	
SPECIAL TESTS			EXEC. MFG.	"	
			CUBA	"	
			MONTREAL	"	
			BUENOS AIRES	"	
			BRAZIL	"	
			RES ADM.	"	
			MEXICO	"	

0007-SWP-062757

FORMULA RECORD

13

A135

CONTROL LAB Cleveland T. S. DATE 6-23-50

REX NO. 765

NAME Shingle Stain Indian Red

CARD NO. 16

POUNDS	GALLONS	MATERIAL NO.	CUSTOMER
3	.3	547	Sherrin-Williams Co.
8	.2	1425 or 1424	TO MATCH Standard
90	2.2	214	REASON FOR REVISION Adjusting driers.
4	1/2	(5094)	*
80	12	(141)	
11	1 1/2	(4230)	VISCOSITY 20-25" @ 75°F AT HRS. AFTER GRIND
161	21	(1273) or (3014)	VISCOSITY ON #1 CUP AT HRS. AFTER GRIND
98	13	(6107) (3844)	% SOLIDS (RUN) ROYALTY: YES; NO; X; W; L
5	3/4	(4231)	WT/GAL 7.86 LABEL ANALYSIS CHECKED DATE
3 1/2	1/2	(4232)	LABEL NO. RED; RED; RED
9	1	(3044) or (2511)	STD. FINENESS 3H NEW STD. SAMPLE REQUIRED
330	49 1/4	(141)	NORMAL OUTPUT 100 DATE REC'D
* Grind 2 hrs			EST. MFG. LOSS 2% MILL Ball Mill BLEED?
**Add & Run 1 hr			DEPT. MFG. LOSS 2% LBS. OF GALS. PER HOUR
*** Thindown			PACKAGE APPROVED
			PARALLEL NO.'S FORMULATOR
			No Parallel SUPT.

0007-SWP-062758

MANUFACTURING INSTRUCTIONS:

APPLICATION: SURFACE Wood Shingle

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 _____

DATE	SLIP NO.	AMOUNT
May 1	6/28/58	
Bayer	"	
5	"	
5	"	
Schacht	"	
D.D.	"	
Edwards	"	
Cyprus	"	
Bromberg	"	
FACTORY	FORMULA	SPEC. CARD
EXEC. COST DEPT.	"	
CLEVELAND. A	"	
KENSINGTON. C	"	6/28/58
ALLIED RESEARCH	"	
KENS. TECH. SERV.	"	
KENS. LACQUER	"	
NEWARK. N	"	6/28/58
OAKLAND. O	"	
M. SENCUR. M	"	6/28/58
DETROIT. D	"	
LOS ANGELES. P	"	
DALLAS. T	"	
DAYTON. L	"	
GIBBSBORO. F	"	
EXEC. MFG.	"	
CUBA. K	"	
MONTREAL. G	"	
BUENOS AIRES. Z	"	
BRASIL. S	"	
RES ADM.	"	
MEXICO	"	

FORMULA RECORD

13

CONTROL LAB Cleveland T. S. DATE 1-18-51

REC. NO. 705

NAME Shingle Stain Indian Red

CARD NO. 19

POUNDS	GALLONS	MATERIAL NO.	CUSTOMER
3	.3	547	Shawin-Williams Co.
8	.2	1425 or 1424	TO MATCH Standard
90	2.2	214	REASON FOR REVISION
4	1/2	(5094)	To conserve Cobalt.
80	12	(141)	And to show Tallate Driers.
11	1 1/2	(901) or (900)	VISCOSITY 20-25" at 100° F. HRS. AFTER GRIND
161	21	(2)	VISCOSITY 20-25" at 100° F. HRS. AFTER GRIND
98	13	(564) (6147)	% SOLIDS (RUN) ROYALTY (USE) NO. 1 X 1/2 W. 1/2
8 1/2	1 1/4	(941) or (940)	WT./GAL. T 7.86 LABEL ANALYSIS CHECKED
9	1	(3044) or (2511)	LABEL NO. 1000 RED 10
330	49 1/4	(141)	NEW STD. SAMPLE REQUIRED
			DATE REC'D
			DEPT. OF AGRICULTURE
			DEPARTMENT
			PACKAGE
			PARALLEL NO.'S
			No Parallel
			FORMULA
			SUPT.

* Grind 2 hrs
 ** Add & Run 1 hr.
 *** Thindown

MANUFACTURING INSTRUCTIONS:

Rex-765

MANUFACTURING INSTRUCTIONS:			DATE	SLIP NO.	AMOUNT
			<i>Mem</i>	<i>1-26-51</i>	
			<i>Buff</i>	"	
			<i>P. J. J.</i>	"	
			<i>Chapman</i>	"	
			<i>Exhibit</i>	"	
APPLICATION: SURFACE <i>Wood Shingle</i>			<i>Blomquist</i>	"	
NO. COATS <i>1 or 2</i>			<i>Dixie</i>	"	
UNDERCOATER USED			<i>Blomquist</i>	FORMULA	SPEC. CARD
METHOD 1 <i>Brush or Dip</i>			EXEC. COST DEPT.	"	
REDUCTION: AMOUNT			CLEVELAND	"	
REDUCER USED			KENSINGTON	"	<i>1-26-51</i>
METHOD 2			ALLIED RESEARCH	"	
REDUCTION: AMOUNT			KENS. TECH. SERV.	"	
REDUCER USED			KENS. LACQUER	"	
DRYING TIME: TOUCH <i>18hrs</i>			NEWARK	"	<i>1-26-51</i>
RECOAT <i>2-7days</i>			OAKLAND	"	
STENCIL			M. SENOUR	"	<i>1-26-51</i>
HARD			DETROIT	"	
SAND			LOS ANGELES	"	
HANDLE			DALLAS	"	
TACK FREE			DAYTON	"	
RUB			GIBBSBORO	"	
WRAP			EXEC. MFG.	"	
BAKING TIME AND TEMP.			CUBA	"	
CLOSE <i>Low Oil</i>			MONTREAL	"	
FILM			BUENOS AIRES	"	
SPECIAL TESTS			BRAZIL	"	
			REG ADM	"	
			MEXICO	"	

0007-SWP-062761

A135

REF. NO. 765

CARD NO. 28

$$\frac{24}{5}$$

MANUFACTURING INSTRUCTIONS:

Rex 765

APPLICATION: SURFACE Wood ShingleNO. COATS 1 or 2

UNDERCOATER USED

METHOD 1 Brush or DipREDUCTION: 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

DATE

SLIP NO.

AMOUNT

FACTORY

FORMULA

SPEC. CARD

EXEC. COST DEPT.

CLEVELAND AKENSINGTON CALLIED RESEARCH KENS. TECH. SERV. KENS. LACQUER NEWARK NOAKLAND OM. SENOUR MDETROIT DLOS ANGELES PDALLAS TDAYTON IGIBBSBORO FEXEC. MFG. CUBA HMONTREAL GBUENOS AIRES ZBRAZIL SRES ADM MEXICO

00C7-SWP-062763

CONTROL LAB			FORMULA RECORD		REV. NO.
Cleveland T.S.			DATE 4/25/50		765
NAME Shire le Stain Indian Red			CARD NO.		15
POUNDS	GALLONS	MATERIAL NO.	CUSTOMER Sherwin Williams Co. <i>on</i>		
3	.3	547	TO MATCH Standard		
8	.2	1425			
90	2.2	214	REASON FOR REVISION Add (5094) Substitu-		
		*	(3044) for (2511) and placing		
4	1/2	(5094)	prc-wet grind.		
80	12	(141)			
			VISCOSITY 20-25" @ 75 deg F. HRS. AFTER GRIND		
11	1 1/2	(4233) **	VISCOSITY On #1 Cup AT HRS. AFTER GRIND		
161	21	(1273) or (3014)	% SOLIDS (RUM) ROYALTY: YES ☐ ; NO ☐ ; X ☐ ; W ☐		
			WT./GAL. T 7.86 LABEL ANALYSIS CHECKED DATE		
98	13	(6107)	BAUME LABEL NO. TIDE 100		
3 1/2	1/2	(4231) ***	STD. OF FINENESS 3H NEW STD. SAMPLE REQUIRED		
335	50	(141)	NORMAL OUTPUT 100 DATE REC'D		
9	1	(3044) or (2511)	EST. MFG. LOSS 2% MIX 1 Mill BLEED?		
			DEPARTMENT LBS. OR GALS. PER HOUR		
# Grind 2 hrs.			PACKAGE APPROVED		
** Add & run 1 hr.			PARALLEL NO.'S FORMULA		
*** Thindown			No parallel		
			SUIT. <i>876</i>		

C007-SWP-062764

MANUFACTURING INSTRUCTIONS:			765		
			DATE	SLIP NO.	AMOUNT
			<i>5/15/50</i>	<i>1/2</i>	
			<i>1/2</i>		
			<i>1/2</i>		
			<i>1/2</i>		
			<i>1/2</i>		
			<i>1/2</i>		
APPLICATION: SURFACE Wood Shingles			<i>1/2</i>		
NO. COATS 1 or 2			<i>1/2</i>		
UNDERCOATER USED			FACTORY	FORMULA	SPEC. CARD
METHOD 1 Brush or Dip			EXEC. COST DEPT.	"	
REDUCTION: AMOUNT - REDUCER USED			CLEVELAND	"	
METHOD 2			KENSINGTON	"	<i>5/1/50</i>
REDUCTION: AMOUNT - REDUCER USED			ALLIED RESEARCH	"	
			KENS. TECH. SERV.	"	
			KENS. LACQUER	"	
			NEWARK	"	<i>5/1/50</i>
DRYING TIME: TOUCH 18hrs. RECOAT 2-7days STENCIL 2			OAKLAND	"	
HARD - SAND - HANDLE 2			M. SENOUR	"	<i>5/1/50</i>
TACK FREE - RUB - WRAP -			DETROIT	"	
BAKING TIME AND TEMP.			LOS ANGELES	"	
GLOSS Low Oil FILM -			DALLAS	"	
SPECIAL TESTS			DAYTON	"	
			GIBBSBORO	"	
			EXEC. MFG.	"	
			CUBA	"	
			MONTREAL	"	
			BUENOS AIRES	"	
			BRAZIL	"	
			RES ADM	"	
			MEXICO	"	

FORMULA RECORD									
Exp. No.	Date		Class		Rex. No.		765		
Preservative Shingle Stain Indian Red					Card No.		9 See No. 8		
3	LBS.	547	Customer		S. W. Trade Sales				
8	"	1415 412	To Match		Std. 14697 OK				
90	"	214	Weight Pa		Gal. T 7.80 Visc. 19" H. 1 3-26-42				
SUSPENDED <i>For Duration</i> <i>BY [Signature]</i> JUN 17 1941			Baume		Std. of Fineness		3 M NO Label Required		
			Lbs. Gals. per hour		Roller		Mill		
Reason for Revision			REVISION						
8	GALS.	(3014)	(2)		To conserve Fish Oil and use up Screening's Oil.				
18 1/2	"	(3014)	(2)		10				
4	"	(183)	* use (2)		Indian stock (2/1/4) depleted				
67 1/2	"	(141)			P.B. 6-17-41				
1	"	(2511)			Normal Output 100 Approved 2% Formulator				
Est. Mfg. Loss			2%						
Department			K Supt. [Signature]						
Label Analysis Checked-Date			not required						

0007-SWP-062766

MANUFACTURING INSTRUCTIONS:

		PRODUCTION	
		DATE	SLIP No.
		AMOUNT	
Reduction: Amount	Reducer Used		
Application: Surface <u>Shingles</u>	Method <u>Brush-Dip</u>		
No. Coats <u>Good 1</u>	Undercoater Used		
Drying Time: Touch <u>2-3 hr</u>	Handle <u>4-5 hr</u>	Recoat <u>When laid</u>	
Rub <u>Sand</u>	Wrap	Stencil	
Baking Time and Temp.			
Gloss <u>Low oil</u>	Film		
Special Tests <u>To be recoated on nite on new work.</u>			

FACTORY	FORMULA	SPEC. CARD	SAMPLE	FACTORY	FORMULA	SPEC. CARD	SAMPLE
CLEVELAND	3-3-41		11-13-43	ALLIED RESEARCH	3-3-41		11-13-43
NEWARK	"			GIBBSBORO	"		
KENSINGTON	"	3-3-41		DAYTON	"		
OAKLAND	"			DETROIT	"		
DALLAS	"			LONDON	ARGENTINE		
LOS ANGELES	"			AUSTRALIA	CU31		
MONTREAL	"			M.S.			
COST DEPT.	"			CHI. TECH. SERV.			

C 546-41 C 20-41 C 11-28-41 C 3-27-42 C. A. 6-1-41