

CONTROL LAB		Cleve. T. S.		FORMULA RECORD 6		DATE 10-12-54		REX NO. 416	
NAME		S. W P Ardmore Green		CARD NO.		17			
CUSTOMER	Sherwin-Williams			POUNDS	GALLONS	NEW MAT'L	OLD MAT'L		
MFG. INSTR	* (8A12) Poison: Wear gloves avoid contact with skin			70	6.2	77C30			
				56	1.1	8002			
				6	.2	6630			
				50	2.2	6310			
				25	1.1	6324			
				1	.1	7040			
WT./GAL	T. 8.69			4	.1	6805			
GRIND	5-6H			78	11	BT72			
OUTPUT	100			66	8	(3870)			
MFG. LOSS	2%			125	15	(3870)			
STOP. LOSS				174	23	(27C7)			
SOLIDS				30	4	(27A7)			
PARALLELS	no			11	1 1/2	(902)			
parallel				7	1	(918)			
REASON FOR REVISION	To lower PVC and improve drying			8	1	(8A12)*			
				168	25 1/2	(151)			
				7	1	(1083)			
FORMULATOR	R. S. Paul			* see Mfg. instructions					

MANUFACTURING INSTRUCTIONS:		450		
		DATE	SLIP NO.	AMOUNT
Permissible to use up to 4 gal of (798) in place of 4 gal (2) to get proper flow.		<i>Mason</i>	<i>1/3/49</i>	
APPLICATION: SURFACE <u>Old & New Wood</u>		<i>Carlson</i>		
NO. COATS <u>One</u>				
UNDERCOATER USED		FACTORY	FORMULA	SPEC. CARD
METHOD 1 <u>Brush</u>		EXEC. COST DEPT.		
REDUCTION: AMOUNT		CLEVELAND		
REDUCER USED		KENSINGTON		
METHOD 2		ALLIED RESEARCH		
REDUCTION: AMOUNT		KENS. TECH. SERV.		
REDUCER USED		KENS. LACQUER		
DRYING TIME: TOUCH <u>8-10hrs</u> RECOAT <u>48hrs</u> STENCIL		NEWARK		
HARD		OAKLAND		
SAND		M. SENOUR		
HANDLE		DETROIT		
TACK FREE		LOS ANGELES		
RUB		DALLAS		
WRAP		DAYTON		
BAKING TIME AND TEMP.		GIBBSBORO		
GLOSS <u>Eggshell</u> FILM <u>Hard & Tough</u>		EXEC. MFG.		
SPECIAL TESTS		CUBA		
		MONTREAL		
		BUENOS AIRES		
		BRAZIL		
		RES ADM		
		MEXICO		

FORMULA RECORD			
CONTROL LAB		Cleveland T.S.	DATE 3/28/50
NAME		S W P Ardmore Green	
		REX. NO.	416
		CARD NO.	10
POUNDS	GALLONS	MATERIAL NO.	CUSTOMER
175	8.3	2183	Sherwin Williams Co.
14	.9	11184	TO MATCH Standard <i>Standard #81</i>
21	1.5	11185	<i>57250</i>
100	2.1	412	REASON FOR REVISION
15	1.2	CP 594	Converting to Ball
8	.1	1728	Mill grind and showing (310) as
76	12	(348)	a substitute for (43).
4	1/2	(5094)	VISCOSITY 25-30" @ 75 deg F. HRS. AFTER GRIND
4	1/2	(2233) *	VISCOSITY Or #3 City
62	8	(2)	% SOLIDS (R) ROYALT. TEST NO. X
201	25	(48) or (310)	WT./GAL. T 9.73 LABEL ANALYSIS CHECKED
165	20	(4106)	BAUME LABEL NO. RED ☒ RED ☐
22 1/2	3	(4230)	STD. OF FINENESS 3H NEW STD. SAMPLE REQUIRED
7	1	(543)	NORMAL OUTPUT 100 DATE REC'D
3 1/2	1/2	(4232)	EST. WGT. LOSS 23
3	1/2	(5026)	DEPARTMENT
111	17	(348)	PACKAGE
			PARALLEL NO.'S
			No parallel
* See Mfg. Inst.		FORMULATOR <i>P. J. Thompson</i>	
		SUPT. <i>dfh</i>	

0007-SWP-061602

MANUFACTURING INSTRUCTIONS: Use up to 4 gal of (798) to improve leveling.				DATE	SLIP No.	AMOUNT																																																												
When using B 102.																																																																		
Replace: 386# of 18 dry with 450# B 102																																																																		
2 1/4 gal of (2) with 18 3/4 gal of (2)																																																																		
Take out 5/8 gal of 12 W																																																																		
Application: Surface		Old & New Wood	No. Coats	One																																																														
Undercoater Used			No. Coats																																																															
Method 1 Brush																																																																		
Reduction: Amount		Reducer Used																																																																
Method 2																																																																		
Reduction: Amount		Reducer Used																																																																
Drying Time: Touch		Recoat	Stencil																																																															
Hard		Sand	Handle																																																															
Tack Free		Rub	Wrap																																																															
Baking Time and Temp.		Hard & Tough																																																																
Gloss: Eggshell		Film																																																																
Special Tests		20 L or																																																																
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FORMULA RECORD			A135	
LAB. Cleveland T.S.		DATE 4/21/49	REC. NO. 416	
NAME S W P Ardmore Green		CARD NO. 8		
POUNDS	GALLONS	MATERIAL NO.	CUSTOMER Sherwin-Williams Co.	
175	8.3	2188	TO MATCH Standard <i>CR</i>	
14	.9	11184		
21	1.5	11185	REASON FOR REVISION Correcting (4026)	
100	2.1	412 or	to (5026).	
	60#	511		
	40#	414		
		BO 48	VISCOSITY 22-25" 275 deg F. HRS. AFTER GRIND	
		CP 594	VISCOSITY On #3 Cup AT HRS. AFTER GRIND	
		1128	% SOLIDS (RUN)	
	1/2	CW 2119 *	ROYALTY: YES ☐ NO ☒ V. ☐	
	20	(4106)	WT./GAL T 9.69 LABEL ANALYSIS CHECKED DATE	
	10	(48)	BAUME LABEL NO. RED ☒ RED ☐	
	8	(2)	STD. OF FINENESS 3H NEW STD. SAMPLE REQUIRED	
	15	(48)	NORMAL OUTPUT 200 LBS. REC'D	
	1/2	(5026)	EST. MFG. LOSS 2% MLL. Roller BLEED?	
	1	(543)	DEPARTMENT LBS. OR GALS. PER HOUR	
	3	(4230)	PACKAGE APPROVED	
	1 1/2	(4232)	PARALLEL NO.'S FORMULATOR <i>BT Thompson</i>	
	30	(348)	SUPT. <i>SPB</i>	

0007-SWP-061604

- Up to 1 Gal (2) may be replaced with (500) to improve leveling.

Method 1 _____
Reduction: Amount _____ Reducer Used _____

Method 2 _____
Reduction: Amount _____ Reducer Used _____

Baking Time and Temp. _____
Gloss. Eggshell Film Hard & Tough
Special Tests _____

DATE	SLIP No.	AMOUNT
10-11-47	2-24-47	
10-11-47	2-19-47	
FACTORY	FORMULA	SPEC. CARD
Exec. Cost Dept.		
Cleveland	A	
Kensington	C	2-19-47
Allied Research		
Kens. Tech. Serv.		
Kens. Lacquer		
Newark	N	
Oakland	D	
M. Sensor	M	
Detroit	D	
Los Angeles	P	
Dallas	T	
Dayton	B	
Gibbsboro	F	
Pittsburgh	H	
Cuba	V	
Montreal		
Buenos Aires	Z	
Brazil		

FORMULA RECORD			
CONTROL LAB		Cleveland T.S.	DATE 2/15/49
NAME		S W P Ardmore Green	
PER. NO.		416	
CARD NO.		6	
POUNDS	GALLONS	MATERIAL NO.	CUSTOMER
175	8.3	2188	Sherwin Williams Co.
14	.9	11184	TO M. TCH Standard
21	1.5	11185	REASON FOR REVISION
100	2.1	412 or	Placing on Alkyd basis to improve quality.
(POISON)	(60#)	511	
	(40#)	414	
		BC 48	VISCOSITY 22-25" 675 deg F.
		CP 594	On #3 Cup
10	.8	1128	AT
8	.1	1128	HRS. AFTER GRIND
4	1/2	GW 2119 #	HRS. AFTER GRIND
164	20	(4106)	% SOLIDS (RUN)
80	10	(48)	WT./GAL. T 9.69
62	8	(2)	ROYALTY: YES ☐ NO ☐ X ☐ W ☐ D ☐
120	15	(48)	LABEL ANALYSIS CHECKED-DATE
3	1/2	(4026)	LABEL: NO. ☐ RED ☐ RED ☐
7	1	(543)	NEW STD. SAMPLE REQUIRED
23	3	(4230)	DATE REC'D
1 1/2	1/2	(4232)	EST. MFG. LOSS 2% ☐ 1% ☐ 0% ☐
* 195	30	(348)	DEPARTMENT
			PACKAGE
			PARALLEL NO.'S
			APPROVED
			FORMULATED
			SUPT.

0007-SWP-061606

Application: Surface Old & New wood No. Coats 1
Undercoater Used _____ No. Coats _____

Reduction: Amount _____ **Reducer Used** _____

Handle

Wrap

Tough

Figure 1

1-27-47

FORMULA RECORD			A135 WHITE	
Exp. No.	Date 4/26/48	Class 6	Rev. No. 416	4
Name S W P Ardmore Green			Card No. 5	Replaces No.
POUNDS	GALLONS	MATERIAL No.	Customer Sherwin Williams Co.	
175		2188	To Match Standard	
14		11184		
21		11185		
60		511) or 100#	Reason for Revision To use a 511 and 414 combination.	
40		414) or 412		
10		CP 594		
8		1128		
4	1/2	CH 2119 *	Viscosity 22-25" at 75 deg F. On #3 cap	
39	5	(2325)	Viscosity 22-25" at 75 deg F. On #3 cap	
176	22	(48)	% Solids (Run) 9.61	
77	10	(2)	Wt./Gal.	
72	9	(48)	Baume	
60	8	(4950)G or (2841)G	State of Fineness 3H	
22 1/2	3	(4230)	Normal Output 100	
7	1	(4231)	Est. Mfg. Loss 2%	
3 1/2	1/2	(4232)	Department	
3 1/2	1/2	(5026)	Package	
188	29	(348)	Parallel No.'s	
* POISON See Mfg. Instructions			Royalty: Yes ☐ No ☒ X ☐	
			Label Analysis Checked-Date	
			Label: No Red ☐ ; Red ☐	
			New Std. Sample Required	
			Date Rec'd	
			Roller	
			Bleed?	
			Lbs. or Gals. per hour	
			Approved: K. F. Sauer	
			Formulator	
			Supt. SFL	

0007-SWP-061608

MANUFACTURING INSTRUCTIONS:

Application: Surface **Old & New wood** No. Coats **1**

Undercoater Used: No. Coats

Method 1 **Brush**

Reduction: Amount Reducer Used

Method 2

Reduction: Amount Reducer Used

Drying Time: Touch Recoat Stencil

Hard Sand Handle

Tack Free Rub Wrap

Baking Time and Temp

Gloss **Shell** Film **Hard & Tough**

Special Tests

DATE SLIP No. AMOUNT

Miami 1-21-47

FACTORY FORMULA SPEC. CARD

Exec. Cost Dept.	<i>1-21-47</i>	
Cleveland	A	
Kensington	C	<i>1-27-47</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		
Buenos Aires	Z	
Brazil		

FORMULA RECORD			A135 WHITE	
Exp. No. <u>1</u>	Date <u>11/19/47</u>	Class <u>6</u>	Rev. No. <u>416</u>	Alt. <u>A</u>
Name <u>S W P Ardmore Green</u>			Card No. <u>4</u>	Replaces No. <u>3</u>
Customer <u>Sherwin Williams Co.</u>			To Match <u>Std.</u>	
Reason for Revision <u>To use alt. pigmentation when 11184 and 11185 are not available.</u>				
Viscosity <u>22-25"</u>			<u>75</u> deg F	
Viscosity <u>On #3</u>			hrs. after grind	
% Solids (Run) <u>T 9.98</u>			Royals Yes ☐ No ☐ X ☐ W ☐	
Wt./Gal. <u>13.98</u>			Label Analysis Checked-Date	
Std. of Fineness <u>3H</u>			Label No. <u>11184</u>	
Normal Output <u>100</u>			New Std. Sample Acquired	
Est. Mfg. Loss <u>2%</u>			Date Rec'd	
Department <u>1</u>			Mill	
Package <u>1</u>			Lbs. or Gals. per hour	
Parallel No.'s			Approved <u>Sam</u>	
			Formulator <u>Shb</u>	
			Supt. <u>Shb</u>	

POUNDS	GALLONS	MATERIAL No.
175		2188
150		412
20		12101
25		CP 766
8		CP 594
8		1128
4	1/2	(CW 2119)
39	5	(2325)
176	22	(48)
58	7 1/2	(2)
72	9	(48)
60	8	(4950)G or (2841)G
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)

MANUFACTURING INSTRUCTIONS:			DATE	SLIP No.	AMOUNT
450# of B: 102					
5863 Lead					
7 1/2 gl (5091)					
3/4 gl (12)W					
Application: Surface Old & New					
Undercoater Used					
No. Coats One					
Method 1 Brus n					
Reduction: Amount					
Reducer Used					
Method 2					
Reduction: Amount					
Reducer Used					
Drying Time: Touch					
Recoat					
Stencil					
Hard					
Sand					
Handle					
Tack Free					
Rub					
Wrap					
Baking Time and Temp.					
Gloss					
Film					
Hard & Tough					
Special Tests					
* or { 72 lbs 511					
72 " 414 10-24-44					
8-10-31-44					
FACTORY			FORMULA	SPEC. CARD	
Exec. Cost Dept.			10-18-44		
Cleveland			A		
Kensington			C		10-18-44
Allied Research					
Kens. Tech. Serv.					
Kens. Lacquer					
Newark			N		
Oakland			O		
M. Senour			M		
Detroit			D		
Los Angeles			P		
Dallas			T		
Dayton			E		
Gibbsboro			F		
Pittsburgh			H		
Cuba			V		
Montreal					
Buenos Aires			Z		
Blond					
Gray					

FORMULA RECORD			A135 WHITE																																																																													
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SEE IFG INSTRUCTIONS * POISON	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>POUNDS</th> <th>GALLONS</th> <th>MATERIAL No.</th> </tr> </thead> <tbody> <tr><td>175</td><td></td><td>2188</td></tr> <tr><td>14</td><td></td><td>11184</td></tr> <tr><td>21</td><td></td><td>11185</td></tr> <tr><td>100</td><td></td><td>412</td></tr> <tr><td>10</td><td></td><td>CP 594</td></tr> <tr><td>8</td><td></td><td>1128</td></tr> <tr><td>4</td><td>1/2</td><td>CW 2119</td></tr> <tr><td>39</td><td>5</td><td>(2325)</td></tr> <tr><td>176</td><td>22</td><td>(48)</td></tr> <tr><td>77</td><td>10</td><td>(2)</td></tr> <tr><td>72</td><td>9</td><td>(48)</td></tr> <tr><td>60</td><td>8</td><td>(4950)G or (2841)G</td></tr> <tr><td>22 1/2</td><td>3</td><td>(4230)</td></tr> <tr><td>7</td><td>1</td><td>(4231)</td></tr> <tr><td>3 1/2</td><td>1/2</td><td>(4232)</td></tr> <tr><td>3 1/2</td><td>1/2</td><td>(5026)</td></tr> <tr><td>188</td><td>29</td><td>(348)</td></tr> </tbody> </table>	POUNDS	GALLONS	MATERIAL No.	175		2188	14		11184	21		11185	100		412	10		CP 594	8		1128	4	1/2	CW 2119	39	5	(2325)	176	22	(48)	77	10	(2)	72	9	(48)	60	8	(4950)G or (2841)G	22 1/2	3	(4230)	7	1	(4231)	3 1/2	1/2	(4232)	3 1/2	1/2	(5026)	188	29	(348)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Customer <u>Sherwin Williams Co.</u></td> </tr> <tr> <td>To Match <u>Std.</u></td> </tr> <tr> <td>Reason for Revision <u>To use (2325)</u></td> </tr> <tr> <td>Viscosity <u>22-25" @ 75 deg F.</u> at _____ hrs. after grind</td> </tr> <tr> <td>Viscosity <u>On #3 Cup</u> at _____ hrs. after grind</td> </tr> <tr> <td>% Solids (Run) _____</td> </tr> <tr> <td>Wt./Gal. <u>9.61</u></td> </tr> <tr> <td>Baume _____</td> </tr> <tr> <td>Std. of Fineness <u>3H</u></td> </tr> <tr> <td>Normal Output <u>100</u></td> </tr> <tr> <td>Est. Mfg. Loss <u>2%</u></td> </tr> <tr> <td>Department _____</td> </tr> <tr> <td>Package _____</td> </tr> <tr> <td>Parallel No.'s _____</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Royalty: Yes ☐; No ☐; X ☐; W ☐</td> </tr> <tr> <td>Label Analysis Checked-Date _____</td> </tr> <tr> <td>Label: No Ret ☐; Red ☐</td> </tr> <tr> <td>New Std. Sample Required _____</td> </tr> <tr> <td>Date Rec'd _____</td> </tr> <tr> <td>Mill _____ Bleed? _____</td> </tr> <tr> <td>Lbs. or Gals. per hour _____</td> </tr> <tr> <td>Approved <u>Sam H. Key</u></td> </tr> <tr> <td>Formulator _____</td> </tr> <tr> <td>Supt. <u>STB</u></td> </tr> </table>	Customer <u>Sherwin Williams Co.</u>	To Match <u>Std.</u>	Reason for Revision <u>To use (2325)</u>	Viscosity <u>22-25" @ 75 deg F.</u> at _____ hrs. after grind	Viscosity <u>On #3 Cup</u> at _____ hrs. after grind	% Solids (Run) _____	Wt./Gal. <u>9.61</u>	Baume _____	Std. of Fineness <u>3H</u>	Normal Output <u>100</u>	Est. Mfg. Loss <u>2%</u>	Department _____	Package _____	Parallel No.'s _____	Royalty: Yes ☐ ; No ☐ ; X ☐ ; W ☐	Label Analysis Checked-Date _____	Label: No Ret ☐ ; Red ☐	New Std. Sample Required _____	Date Rec'd _____	Mill _____ Bleed? _____	Lbs. or Gals. per hour _____	Approved <u>Sam H. Key</u>	Formulator _____	Supt. <u>STB</u>
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Std. of Fineness <u>3H</u>																																																																																
Normal Output <u>100</u>																																																																																
Est. Mfg. Loss <u>2%</u>																																																																																
Department _____																																																																																
Package _____																																																																																
Parallel No.'s _____																																																																																
Royalty: Yes ☐ ; No ☐ ; X ☐ ; W ☐																																																																																
Label Analysis Checked-Date _____																																																																																
Label: No Ret ☐ ; Red ☐																																																																																
New Std. Sample Required _____																																																																																
Date Rec'd _____																																																																																
Mill _____ Bleed? _____																																																																																
Lbs. or Gals. per hour _____																																																																																
Approved <u>Sam H. Key</u>																																																																																
Formulator _____																																																																																
Supt. <u>STB</u>																																																																																

509# 37 102
Application: Surface Old & New Wood No. Coats one

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
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 _____ **Recoat** _____ **Stencil** _____

Hard Sand Handle

Tack Free _____ **Rub** _____ **Wrap** _____

Baking Time and Temp.

Gloss. **Erschell** Film **Hard & Tough**

Special Tests.

1/2 lbs (5091)
1/8 lbs (12)W

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

Exec. Cost Dept.	11-24-45
------------------	----------

Cleveland A

Kensington	C	1	11-27-63
Allied Research			

Kens. Tech. Serv.

Kens. Lacquer

Newark	N	1	
Oakland	O	2	

M. Senour

Detroit **D** **1**

Los Angeles	P	7
Dallas	1	5

Dallas	1	
Dayton	B	10

Gibbsboro F

Pittsburgh	H	
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Cuba
Haiti

Buenos Aires

BRAZIL

FORMULA RECORD			Alt. A.	A135 WHITE
Exp. No.	Date	Class	Revis. No.	Card No.
S W P	4-28-47	6	416	3
Name: S W P Ardmore Green			Replaces No.	
POUNDS	GALLONS	MATERIAL No.	Customer	
175		2188	S W Co.	
150		412	To Match	Std.
20		12101		
25		CP 766		
8		CP 594		
8		1128		
4	1/2	CW 2119		
216	27 21/2	(48)		
58	7 1/2	(2)		
		(2325)		
72	9	(48)		
60	8	(4950)G		
		or (2841)G		
23	3	(4230)		
7	1	(4231)		
3 1/2	1/2	(4232)		
3 1/2	1/2	(5026)		
185	28 1/2	(348)		
VISCOSITY (SOLUTION) 22-25" @ 75° On 3 Cup % Solids (Run) Wt./Gal. 9.97 Baume Std. of Fineness 3H Normal Output 100 Est. Mill Loss 2% Department Package Parallel No.'s			Reason for Revision	
			To use Alt. pigmentation when 11184 and 11185 are not available and replace 89 dry with CW 2119 for better durability.	
			Viscosity	
			at hrs. after grind	
			Viscosity	
			at hrs. after grind	
			Royalty: Yes ☐ No ☒ X: S: W: ☐	
			Label Analysis Checked-Date	
			Label: No Red ☒ Red ☐	
			New Std. Sample Required	
Date Rec'd				
Mill				
Bleed?				
Lbs. or Gals. per hour				
Approved				
Formulator				
Supt.				

0007-SWP-061614

MANUFACTURING INSTRUCTIONS: 60# 2273
120# of 2173 or 2262 or 60# 1403 or 2

120# of 2173 or 2262 or 60# 1403 or 2

497 of BW 102 } 8 1/4 gl. (5091
7/8 gl (12)w

Application: Surface. Old & New Wood. No. Coats. one

Undercoater Used..... No. Coats.....

Method 1 Brush

Reduction: Amount

Reducer Used

Method 2

Reduction: Amount.

Reducer Used

Drying Time: Touch.

Recoat

Stencil

Hard

Sand

...Handle

Tack Free.

Rub.

Wrap

Baking Time and Temp.

Gloss. Eggshell

Film

Hard & Tough

Special Tests.

Q30	DATE	SLIP No.	AMOUNT
FACTORY	FORMULA	SPEC. CARD	
Exec. Cost Dept.	8-23-44		
Cleveland	A "		
Kensington	C "		
Allied Research	" "		
Kens. Tech. Serv.			
Kens. Lacquer			
Newark	N "		
Oakland	O "		
M. Senour	M "		
Detroit	D "		
Los Angeles	P "		
Dallas	T "		
Dayton	E "		
Gibbsboro	F "		
Pittsburgh	H "		
Cuba	V "		
Montreal	" "		
Buenos Aires	Z "		
<i>Shawmut</i>	" "		
<i>At Sea</i>	" "		
	" "		

FORMULA RECORD			A135 WHITE 7.45 5879	
Exp. No.	Date <u>1-24-46</u>	Class <u>6</u>	Res. No. <u>416</u>	
Name <u>S. P. Ardmore Green</u>	Card No. <u>2</u> Replaces No. <u>1</u>			
POUNDS	GALLONS	MATERIAL NO.	Customer <u>S. P. Company</u>	
175		2188	To Match <u>Std.</u>	
150		412	Reason for Revision <u>Placed on alkyd basis</u>	
20		12101	<u>to improve quality of gloss</u>	
25		CP 766	<u>and color retention.</u>	
8		CP 594		
8		1128		
25		89	Viscosity <u>22-25" 75°F.</u> at <u> </u> hrs. after grind	
			Viscosity <u>on S. W. Cup #3</u> at <u> </u> hrs. after grind	
	24	(48)	% Solids (Run) <u> </u>	Royalty: Yes ☐ ; No ☐ ; X ☐ ; W ☐
	8	(2)	Wt./Gal. T <u>10.23</u>	Label Analysis Checked-Date <u> </u>
			Baume <u> </u>	Label: No Red ☒ Red ☐
	19	(4106) <u>ex 1/573</u>	Std. of Fineness <u>3H</u>	New Std. Sample Required <u>yes</u>
	28 1/2	(348)	Normal Output <u>100</u>	Date Rec'd <u> </u>
	1	(543)	Est. Mfg. Loss <u>2%</u>	Mill <u>Roller</u> Bleed? <u> </u>
	3	(4230)	Department <u>B</u>	Lbs. or Gals. per hour <u> </u>
	1/2	(4232)	Package <u> </u>	Approved <u> </u>
	1	(5026)	Parallel No.'s <u> </u>	Formulator <u>Wm. Budzick</u>
				Supt. <u>C. B. H.</u>

Acid value must not exceed
10 on (48) and not over 4 on
(2)

Method 1 Brush

Reduction: Amount _____ Reducer Used _____

Method 2_

Reduction: Amount _____ Reducer Used _____

Drying Time: Touch _____ Recoat _____ Stencil _____
Hard _____ Sand _____ Handle _____
Tack Free _____ Rub _____ Wrap _____

Baking Time and Temp.

Gloss Eggshell Film Hard & Tough

Special Tests

LS-6-1744 6-21-44

[illegible]

FORMULA RECORD Alt. A.			A135 WHITE 2-48 S-1147	
Exp. No. <u>7</u>	Date <u>3/22/46</u>	Class <u>6</u>	Rev. No. <u>416</u>	
Name <u>S. W. P. Ardmore Green</u>	Card No. <u>2</u>		Replaces No. <u>1</u>	
POUNDS	GALLONS	MATERIAL No.	Customer <u>S. W. Co.</u>	
<u>175</u>		<u>2188</u>	To Match <u>Std.</u>	
<u>14</u>		<u>11184</u>		
<u>21</u>		<u>11185</u>	Reason for Revision <u>To use 11184 and 11185</u>	
<u>100</u>		<u>412</u>	<u>when available.</u>	
<u>10</u>		<u>CP 594</u>		
<u>8</u>		<u>1128</u>		
<u>25</u>		<u>89</u>	Viscosity <u>22-25</u> at <u>75</u> hrs. after grind	
<u>9</u>		<u>BG 48</u>	Viscosity <u>0-25</u> at <u>13</u> hrs. after grind	
	<u>20</u>	<u>(4106)</u>	<u>22% Solids (Run)</u>	Royalty: Yes ☐ ; No ☒ ; W ☐
	<u>10</u>	<u>(48)</u>	Wt./Gal. <u>8.87</u>	Label Analysis Checked <u>Date</u>
	<u>8</u>	<u>(2)</u>	Balance <u>3H</u>	Label: No Red ☒ ; Red ☐
	<u>15</u>	<u>(48)</u>	Std. of Fineness <u>3H</u>	New Std. Sample Required <u>No</u>
	<u>1/2</u>	<u>(5026)</u>	Normal Output <u>100</u>	Date Rec'd <u>1</u>
	<u>1</u>	<u>(543)</u>	Est. Mfg. Loss <u>2%</u>	Roller Bleed? <u>No</u>
	<u>3</u>	<u>(4230)</u>	Department <u>E</u>	Lbs. or Gals. per hour <u></u>
	<u>1/2</u>	<u>(4232)</u>	Package <u>2</u>	Approved <u>Wm. Budzick</u>
	<u>30</u>	<u>(348)</u>	Parallel No. <u>3</u>	Formulator <u>Wm. Budzick</u>
			Supt. <u>Wm. Budzick</u>	

0007-SWP-061618

MANUFACTURING INSTRUCTIONS:

acid value must not exceed 10
on (42) and not over 4 on (2)

Application: Surface Old & new wood No. Coats one
Undercoater Used _____ No. Coats _____

Method 1 Brush

Reduction: Amount _____ Reducer Used _____

Method 2 _____

Reduction: Amount _____ Reducer Used _____

Drying Time: Touch _____ Recoat _____ Stencil _____
Hard _____ Sand _____ Handle _____
Tack Free _____ Rub _____ Wrap _____

Baking Time and Temp. _____

Gloss Eggshell Film Hard & Tough

Special Tests _____

DATE	SLIP No.	AMOUNT

FACTORY	FORMULA	SPEC. CARD
Exec. Cost Dept.	<u>3-24-44</u>	
Cleveland	"	
Kensington	"	
Alfred Research	"	
Kens. Tech. Serv.	"	
Kens. Lacquer	"	
Newark	"	
Oakland	"	
M. Senour	"	
Detroit	"	
Los Angeles	"	
Dallas	"	
Dayton	"	
Gibbsboro	"	
Pittsburgh	"	
Cuba	"	
Montreal	"	
Buenos Aires	"	
<u>Blondelle</u>	"	

28-6-1-44 26-14-44 6-21-44

A135 WHITE 2.45 3-11

Rex. No. 416

Card No. 3 Replaces No. 2

0007-SWP-061620

MANUFACTURING INSTRUCTIONS: Acid value must not exceed 10 on (40) and not over 4 on (2).			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">DATE</th> <th style="width: 33%;">SLIP No.</th> <th style="width: 33%;">AMOUNT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			DATE	SLIP No.	AMOUNT																																																									
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Application: Surface <u>Buildings</u> No. Coats <u>two</u> Undercoater Used _____ No. Coats _____			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">FACTORY</th> <th style="width: 33%;">FORMULA</th> <th style="width: 33%;">SPEC. CARD</th> </tr> </thead> <tbody> <tr> <td>Exec. Cost Dept.</td> <td><u>11-20-43</u></td> <td> </td> </tr> <tr> <td>Cleveland A</td> <td> </td> <td> </td> </tr> <tr> <td>Kensington C</td> <td> </td> <td> </td> </tr> <tr> <td>Allied Research</td> <td> </td> <td> </td> </tr> <tr> <td>Kens. Tech. Serv.</td> <td> </td> <td> </td> </tr> <tr> <td>Kens. Lacquer</td> <td> </td> <td> </td> </tr> <tr> <td>Newark N</td> <td> </td> <td> </td> </tr> <tr> <td>Oakland O</td> <td> </td> <td> </td> </tr> <tr> <td>M. Senour M</td> <td> </td> <td> </td> </tr> <tr> <td>Detroit D</td> <td> </td> <td> </td> </tr> <tr> <td>Los Angeles P</td> <td> </td> <td> </td> </tr> <tr> <td>Dallas T</td> <td> </td> <td> </td> </tr> <tr> <td>Dayton B</td> <td> </td> <td> </td> </tr> <tr> <td>Gibbsboro F</td> <td> </td> <td> </td> </tr> <tr> <td>Pittsburgh H</td> <td> </td> <td> </td> </tr> <tr> <td>Cuba V</td> <td> </td> <td> </td> </tr> <tr> <td>Montreal</td> <td> </td> <td> </td> </tr> <tr> <td>Buenos Aires Z</td> <td> </td> <td> </td> </tr> <tr> <td><u>Hammer</u></td> <td> </td> <td> </td> </tr> </tbody> </table>			FACTORY	FORMULA	SPEC. CARD	Exec. Cost Dept.	<u>11-20-43</u>		Cleveland A			Kensington C			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			<u>Hammer</u>		
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Method 1 <u>Brush</u> Reduction: Amount _____ Reducer Used _____ Method 2 _____ Reduction: Amount _____ Reducer Used _____			Drying Time: Touch _____ Recoat _____ Stencil _____ Hard _____ Sand _____ Handle _____ Tack Free _____ Rub _____ Wrap _____ Baking Time and Temp. _____ Gloss <u>Eggshell</u> Film <u>Tough & Hard</u> Special Tests _____																																																														
<u>11-2-44 11-6-44 6-21-44</u>			* * *																																																														

FORMULA RECORD			A135 WHITE 1-45 3043	
Exp. No. <u>3</u>	Date <u>8-22-45</u>	Class <u>8 TS</u>	Res. No. <u>416</u>	
Name <u>Trimbrite Dark Green</u>	Card No. <u>1</u>		Replaces No. <u></u>	
POUNDS	GALLONS	MATERIAL NO.	Customer <u>S.W.CO.</u>	
175		2188	To Match <u>STD.</u>	
50		412	Reason for Revision <u>per letter V. Mills</u>	
30		11184	<u>7/30/45 Subj. Re-Aligning Trade</u>	
30		11185	<u>Sales Res. numbers</u>	
5		CP 594	<u>S.P. SERIES 19619</u>	
4		1128	Viscosity <u>22-257</u> at <u>70° F.</u> hrs. after grind	
6		BL 20	Viscosity <u>22-257</u> at <u>70° F.</u> hrs. after grind	
	11	(2)	% Solids (Run) <u>9.28</u>	Royalty: Yes ☐ No ☐ X ☒ W ☐
	10	(2325)	Wt./Gal. <u>9.28</u>	Label Analysis Checked-Date <u></u>
	14 1/2	(48)	Baume <u>34</u>	Label: No Red ☒ Red ☐
	11	(48)	Std. of Fineness <u>34</u>	No. Std. Sample Required <u>0</u>
	6	(1157)	Normal Output <u>100</u>	Date Rec'd <u></u>
	2 3/4	(4230)	Est. Mig. Loss <u>2%</u>	Mill. Roller <u></u> Bleed? <u></u>
	3/4	(4231)	Department <u>B</u>	Lbs. or Gals. per hour <u></u>
	1/2	(4232)	Package <u></u>	Approved <u>S. F. Barker</u>
	1/2	(1767) (5026)	Parallel No.'s <u></u>	Formulator <u>S. F. Barker</u>
	30 1/2	(348)		Supt. <u>MBH</u>

MANUFACTURING INSTRUCTIONS:
Use std. (484 acid value not
to exceed 12.

Application: Surface Blags. No. Coats 2

Undercoater Used _____ No. Coats _____

Method 1 Brush

Reduction: Amount	Reducer Used
100%	1
90%	2
80%	3
70%	4
60%	5
50%	6
40%	7
30%	8
20%	9
10%	10
0%	11

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 _____ **Recoat** _____ **Stencil** _____

Hard Sand Handle.

Tack Free _____ **Rub** _____ **Wrap** _____

Baking Time and Temp.

Gloss **Eggshell** **Film** **Tough & hard**

Special Tests

es 9-2-43

[illegible]

a 1 3 FORMULA RECORD 6
 CONTROL LAB Cleveland T. S. DATE 9-14-54 REC NO. 117
 NAME S W P Verdas Green CARD NO. 17

CUSTOMER Sherwin-Williams Co.		POUNDS	GALLONS	NEW MAT'L	OLD MAT'L
MFG. INSTR. ** (8A12) POISON WEAR GLOVES		150	6.6	6223	
& AVOID CONTACT WITH SKIN.		65	1.8	6630	
7950 1751		13	.9	7950	
Pregrind 11184 & 11185 to 6H		20	1.1	7951	
		1	.1	6805	
Label Lantem A-1		1	.1	886	
WT/GAL 9.25	VISC 28 ± 2 sec. @ 75 deg F	36	5.1	BI 72	
GRADE 1H	VISC #3.000	2		RG 103, RG 107, BL 111	
OUTPUT 100	BLEED	2		BY 110, BY 11, BO 31	
MFG. LOSS 2%	DEPT. PKG.	229	30 3/4	(2536) *	
STOR. LOSS	MILL Roller LINING	16	6	(1521)	
SOLIDS	RATE/HR. LABEL ANAL.	233	28	(1870)	
PARALLELS no	FLASH 100 F LABEL NO RED RED	26	3 1/2	(902)	
	ROYALTY: YES ☐ NO ☐ X ☐ W ☐	7	1	(918)	
REASON FOR REVISION To show new code		16	2	(8A12) **	See Mfg.
numbers.		3	1/2	(1951)	Instr.
		3	1/2	(952)	
		90	13 3/4	(151)	
FORMULA FOR	SUPT.	* 20	21. (2539) & 10 3/4	1. (115)	

Use Standard (48# acid value
not to exceed 12

Method 1 Brush

Reduction: Amount_____ **Reducer Used**_____

Method 2.

Reduction: Amount_____ **Reducer Used**_____

Drying Time: Touch_____ **Recoat**_____ **Stencil**_____

Hard_____Sand_____Handle_____

Tack Free _____ **Rub** _____ **Wrap** _____

Baking Time and Temp.

Gloss Eggshell Film Tough & Hard

Special Tests

DATE	SLIP No.	AMOUNT
11-1-58	1	100.00
11-2-58	2	100.00
11-3-58	3	100.00
11-4-58	4	100.00
11-5-58	5	100.00
11-6-58	6	100.00
11-7-58	7	100.00
11-8-58	8	100.00
11-9-58	9	100.00
11-10-58	10	100.00
11-11-58	11	100.00
11-12-58	12	100.00
11-13-58	13	100.00
11-14-58	14	100.00
11-15-58	15	100.00
11-16-58	16	100.00
11-17-58	17	100.00
11-18-58	18	100.00
11-19-58	19	100.00
11-20-58	20	100.00
11-21-58	21	100.00
11-22-58	22	100.00
11-23-58	23	100.00
11-24-58	24	100.00
11-25-58	25	100.00
11-26-58	26	100.00
11-27-58	27	100.00
11-28-58	28	100.00
11-29-58	29	100.00
11-30-58	30	100.00
12-1-58	31	100.00
12-2-58	32	100.00
12-3-58	33	100.00
12-4-58	34	100.00
12-5-58	35	100.00
12-6-58	36	100.00
12-7-58	37	100.00
12-8-58	38	100.00
12-9-58	39	100.00
12-10-58	40	100.00
12-11-58	41	100.00
12-12-58	42	100.00
12-13-58	43	100.00
12-14-58	44	100.00
12-15-58	45	100.00
12-16-58	46	100.00
12-17-58	47	100.00
12-18-58	48	100.00
12-19-58	49	100.00
12-20-58	50	100.00
12-21-58	51	100.00
12-22-58	52	100.00
12-23-58	53	100.00
12-24-58	54	100.00
12-25-58	55	100.00
12-26-58	56	100.00
12-27-58	57	100.00
12-28-58	58	100.00
12-29-58	59	100.00
12-30-58	60	100.00
12-31-58	61	100.00
1-1-59	62	100.00
1-2-59	63	100.00
1-3-59	64	100.00
1-4-59	65	100.00
1-5-59	66	100.00
1-6-59	67	100.00
1-7-59	68	100.00
1-8-59	69	100.00
1-9-59	70	100.00
1-10-59	71	100.00
1-11-59	72	100.00
1-12-59	73	100.00
1-13-59	74	100.00
1-14-59	75	100.00
1-15-59	76	100.00
1-16-59	77	100.00
1-17-59	78	100.00
1-18-59	79	100.00
1-19-59	80	100.00
1-20-59	81	100.00
1-21-59	82	100.00
1-22-59	83	100.00
1-23-59	84	100.00
1-24-59	85	100.00
1-25-59	86	100.00
1-26-59	87	100.00
1-27-59	88	100.00
1-28-59	89	100.00
1-29-59	90	100.00
1-30-59	91	100.00
1-31-59	92	100.00
2-1-59	93	100.00
2-2-59	94	100.00
2-3-59	95	100.00
2-4-59	96	100.00
2-5-59	97	100.00
2-6-59	98	100.00
2-7-59	99	100.00
2-8-59	100	100.00
2-9-59	101	100.0

FACTORY	FORMULA	SPEC. CARD
Exec. Cost Dept.	5-2-43	
Cleveland A	" "	
Kensington C		
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	" "	

A1 **FORMULA RECORD 6**

CONTROL LAB **Cleveland T. S.** DATE **9-14-54** REX. NO. **418**

NAME **S W P Solfast Red** CARD NO. **12**

CUSTOMER	POUNDS	GALLONS	NEW MAT'L	OLD MAT'L
Sherwin-Williams Co.	100	4.7	6235	
MFG. INSTR. ** (8A12) POISON-WEAR GLOVES	94	7.9	8652	
AVOID CONTACT WITH SKIN.	7	.6	8755	
	25	.5	6710	
	3	.1	6805	
Label Caution A-1	(8)?	.8	BY 90	
WT./GAL. T 8.76	VISC. 28± 2 sec. (75 deg) F	218	29 1/4 (2536) *	
GRIND LH	VISC. on #3 cup	62	8 (1521)	
OUTPUT 100	BLEED			6 1/2 (2539)
MFG. LOSS 24	DEPT. 1 PKG	67	9 (2536) or	3 1/2 (145)
STOR. LOSS 1	MIX. Roller 1	166	20 (3870)	
SOLIDS	RA. 1	23	3 (902)	
PARALLELS no	FLASH PT. 100° F	7	1 (948)	
	ROYALTY: YES ☐ NO ☐ X ☐ W ☐	3 1/2	1/2 (952)	
REASON FOR REVISION To show new code numbers.		3	1/2 (1954)	
		4	1/2 (8A12) ** See Mfg.	
		102	15 1/2 (151) Instr.	
FORMULATOR R. J. Thompson	SUPT. L. H.	* 19 1/2 (2539)	& 10 1/4 (145)	

MANUFACTURING INSTRUCTIONS: Epo standard (48)
acid value not to exceed 12

Application: Surface Gloss No. Coats 1
 Undercoater Used _____ No. Coats _____

Method 1 Brush

Reduction: Amount _____ Reducer Used _____

Method 2 _____

Reduction: Amount _____ Reducer Used _____

Drying Time: Touch _____ Recoat _____ Stencil _____

Hard _____ Sand _____ Handle _____

Tack Free _____ Rub _____ Wrap _____

Baking Time and Temp. _____

Gloss Eggshell Film Tough & hard

Special Tests _____

DATE	SLIP NO.	AMOUNT

FACTORY	FORMULA	SPEC. CARD
Exec. Cost Dept.	<u>7-22-42</u>	
Cleveland	A	
Kennington	C	
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	
<u>Mouster</u>		

FORMULA RECORD - 6

CONTROL LAB. Cleveland T. S. DATE 10-12-54 REX NO. 418
 NAME S W P Solfast Red CARD NO. 13

CUSTOMER <u>Sherwin-Williams Co.</u>		POUNDS	GALLONS	NEW MAT'L	OLD MAT'L
MFG. INSTR. <u>*(8A12)</u>	<u>POISON: WEAR GLOVES</u>	<u>9 1/2</u>	<u>7.9</u>	<u>8652</u>	
<u>AVOID CONTACT WITH SKIN.</u>		<u>7</u>	<u>.6</u>	<u>8755</u>	
		<u>1</u>	<u>.1</u>	<u>6805</u>	
		<u>25</u>	<u>1.1</u>	<u>6324</u>	
		<u>25</u>	<u>1.1</u>	<u>6310</u>	
<u>Label Caution A 1</u>		<u>28 1/2</u>	<u>1</u>	<u>BT 72</u>	
WT./GAL. <u>T 8.20</u>	Wt. <u>30-35" @ 75 deg. F</u>	<u>66</u>	<u>8</u>	<u>(3870)</u>	
GRIND <u>5-6H</u>	VISC. <u>on #3 cup</u>	<u>158</u>	<u>19</u>	<u>(3870)</u>	
OUTPUT <u>100</u>	BLEED	<u>197</u>	<u>26</u>	<u>(27C7)</u>	
MFG. LOSS <u>2%</u>	DEPT. <u>Roller</u> PKG.	<u>30</u>	<u>1</u>	<u>(27A7)</u>	
STOR. LOSS	ROLL <u>Roller</u> LINING	<u>11</u>	<u>1 1/2</u>	<u>(902)</u>	
SCIDS	RATE <u>1/4</u> LABEL ANALYSIS <u>F</u>	<u>7</u>	<u>1</u>	<u>(948)</u>	
PARALLEL <u>to</u>	FLASH PT. <u>100 F</u> LABELING REGR. <u>RE</u>	<u>8</u>	<u>1</u>	<u>(8A12)</u>	<u>*See Mfg. Inst.</u>
	ROYALTY: YES ☐ NO ☒ X ☐ W ☐	<u>7</u>	<u>1</u>	<u>(1083)</u>	
REASON FOR REVISION <u>To lower PVC and improve drying.</u>		<u>171</u>	<u>26</u>	<u>(151)</u>	
FORMULATOR <u>R.S. Taub</u> SGT <u>216</u>					

MANUFACTURING INSTRUCTIONS:

Application: Surface Bligs No. Coats Good 2
Undercoater Used _____ No. Coats _____

Method 1 Brush

Reduction: Amount _____ Reducer Used _____

Method 2 _____

Reduction: Amount _____ Reducer Used _____

Drying Time: Touch _____ Recoat _____ Stencil _____

Hard _____ Sand _____ Handle _____

Tack Free _____ Rub _____ Wrap _____

Baking Time and Temp. _____

Gloss oil Film tough & hard

Special Tests _____

DATE	SLIP NO.	AMOUNT

FACTORY	FORMULA	SPEC. CARD
Exec. Cost Dept.	<u>7-10-42</u>	
Cleveland <u>A</u>	<u>4</u>	
Kensington <u>C</u>		
Allied Research <u>4</u>		
Kens. Tech. Serv.		
Kens. Lacquer		
Newark <u>N</u>	<u>4</u>	
Oakland <u>O</u>	<u>4</u>	
M. Senour <u>M</u>	<u>4</u>	
Detroit <u>D</u>	<u>4</u>	
Los Angeles <u>P</u>	<u>4</u>	
Dallas <u>T</u>	<u>4</u>	
Dayton <u>B</u>	<u>4</u>	
Gibbsboro <u>F</u>	<u>4</u>	
Pittsburgh <u>H</u>		
Cuba <u>V</u>	<u>4</u>	
Montreal <u>4</u>	<u>4</u>	
Buenos Aires <u>Z</u>	<u>4</u>	
<u>Glauclith</u>	<u>4</u>	

cd 5-21-42