400-D 5031 1-45 PRINTED IN U.S.A. (8)

FORMULA RECORD

Goods White Semi Gloss Speedwall — Formula No. 4600

Consistency Liquid — Date 10-1-45 — Laboratory No.

For Use on — Cost Classification

Code Number	One Gallon Batch			100 Gallon Batch			Gallon Batch			Manufacturing Specificati
	Pints	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	
W-179		7	8		600					Grind 6
CH 185			1		5					Kind of Mill Pebble
										Strainer
677300	1			10						Weight per Gallon 11.4
V-357	4			40						Light Baume Temp.
063	3/4			7 1/2						Heavy Baume Temp.
065	1/2			5						Viscosity 120-130 Temp.
S 43	1/4			2 1/2						Viscosimeter #4 Cup
S 148	1 1/2			15						Flash Point
										Is Agitator Required
V-48			5	3 1/8	Hold to adjust sheen					Remarks
D-2A			1 1/4	3/4						Sheen 60-65
										N.G.H.
Yield										J.P.W.

Standard Formula. Not to be taken from File.

N12102

Characteristics and Method of Using	Cost Data				Customers
Type of Goods					
Color					
Luster					
Match for					
Kind of Reducer					
Amount of Reduction for					
Brushing					
Spraying Pressure					All plants 10-5-45
Dipping Drip Time	Analysis				
Flocoing Drip Time	[illegible]				[illegible]
Tumbling	[illegible]				[illegible]
Air dry to recoat					[illegible]
To Sand or Rub	[illegible]				
Bake Time Temp	[illegible]				[illegible]
Rub with					
Polish with	[illegible]				
Schedule	[illegible]				[illegible]
	[illegible]				[illegible]
	[illegible]				[illegible]
	[illegible]				[illegible]
					[illegible]

GLD059887

430-D, 50M 1-45 PRINTED IN U.S.A. (B)

FORMULA RECORD

alternate

Goods White S.G. Speedwall — Formula No. Y 4600

Consistency Liquid — Date 1-8-46 — Laboratory No.

For Use on — Cost Classification

Guide Number	One Gallon Batch			Gallon Batch			Gallon Batch			Manufacturing Specificati
	Pints	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	
W-69		3	10							Grind 6
W 91			10							Kind of Mill Pebble
W 66		4	4							Strainer
CH 185			1							Weight per Gallon 12
										Light Baume Temp.
										Heavy Baume Temp.
GTT 300	1									Viscosity 120-130 Temp.
W 357	4									Viscosimeter #4
C 63	3/4									Flash Point
D 65	1/2									Is Agitator Required
S 43	1/4									Remarks
S-148	1 1/2									These formulas [illegible]
										[illegible]
W 48	5 oz/gal for sheen									Stock of W-66
[illegible]	1 1/4 oz/gal									Cleveland [illegible]
Yield	— Not to be used for Tinter									Brush

GLD059888

FORMULA RECORD

Goods [illegible] Formula No. [illegible]

Consistency [illegible] Date 5-7-42 Laboratory No.

For Use on [illegible] Cost Classification

Code Number	One Gallon Batch			Gallon Batch			Gallon Batch			Manufacturing Specifications
	Pints	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	
[illegible]		6	6							Grind [illegible]
[illegible]		[illegible]	2							Kind of Mill [illegible]
[illegible]			1							Strainer
[illegible]										Weight per Gallon [illegible]
[illegible]										Light Baume Temp.
[illegible]	[illegible]									Heavy Baume Temp.
[illegible]	[illegible]									Viscosity [illegible] Temp.
[illegible]	[illegible]									Viscometer [illegible]
[illegible]	[illegible]									Flash Point [illegible]
[illegible]	[illegible]									Is Agitator Required
										Remarks [illegible]
[illegible]	[illegible]									[illegible]
[illegible]		[illegible]								
[illegible]		[illegible]								
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Yield										

DISCONTINUED
SEE HISTORY
Standard Formula
Not to be taken
from File

GLD059889

480-E 40M 3-49 PRINTED IN U.S.A. (B)

FORMULA RECORD

DISCONTINUED

Goods White Semi Gloss Speedwall

Formula No. Y-7600 (Ta

Consistency Liquid

Laboratory No.

For use on

Cost Class. Date [illegible]

Customer

Strainer Grind

Mill

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Large Batch Gals.	Lbs.
[illegible]		7			560
[illegible]			1		5
67-7-300	1			10	
V-357	4 1/2			45	
D-63	3/4			7 1/2	
D-65	1/2			5	
S-148	1 1/4			12 1/2	
⊗ V-46			5	3 1/8	
D-44			1	5/8	
D-15			1	5/8	
⊗ use to adjust shear					
[illegible]					
[illegible]					
	Discon				
	See				
Yield				103	

Is agitator required

Wt. or Be 11/4 Temp.

Viscosity 220-130 Temp.

Viscosimeter [illegible]

Color Sheen [illegible]

Non Vol. Flash Pt. [illegible]

Watch for

Reducer

Amt. for brushing [illegible]

Spraying Tumbling

Dipping Drip time

Bake Temp.

Air dries in 12 [illegible]

A. D. to recoat in 24 [illegible]

Remarks

Formulator [illegible]

GLD059890

480F 70M 1-49 Printed in U.S.A. L.P.

FORMULA RECORD

Goods White Semi Gloss Speedwall — Formula No. Y-4600-A

Consistency Liquid — Laboratory No.

For use on — Cost Class — Date 6/2/49

Customer — Strainer — Grind 5-6

Mill Pebble — Wt. or Be 11.7#

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Large Batch Gals.	Lbs.	
Y-179		7-1/2			600	
CH-185			1		5	
67-T-300	1			10		
V-357	4-1/2			45		
C-63	3/4			7-1/2		
C-65	1/2			5		
S-148	1-1/4			12-1/2		
V-45			5	3-1/8		
C-75			1	5/8		
[illegible]			1	5/8		
CH-245 269			1/8	10 Liq	ozs	

Is agitator required 11.7# Temp.

Viscosity 120-130# Temp.

Viscosimeter #4 Cup

Color — Sheen 60-65

Non Vol. — Flash Pt. 100-F

Match for

Reducer

Amt. for brushing

Spraying — Tumbling

Dipping — Drip time

Bake — Temp.

Air dries in Overnite

A.D. to recoat in 24 hrs

Remarks

Standard Formula
Not to be taken
from File

We are to go back to the Y-4600A formula dated 6/2/49 as per Mr. Mattershaugh letter of March 26, 1951 to [illegible] Dull [illegible] [illegible]

Formulator H. G. Hayward

GLD059891

GLIDDEN AND CO. PRINTED IN U.S.A. FORM

GOODS Speedwall S. G. White

FORMULA RECORD ✓

FORMULA NO. Y 4600 C

CONSISTENCY Liquid

LABORATORY NO.

FOR USE ON

COST CLASS.

DATE 8/22/50

CUSTOMER

STRAINER

GRIND 5-6

MILL

WT. OR BE 12 3/8

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-69		6	6			
W-91		2	2			
M-333			1/2			
67-T-300	3/4					
7-872	5 3/4					
*O-268	1/2					
S-148	1					
D-15			2 oz/gal			
D-75			1 oz/gal			
GH-243			1/8 oz/gal			
*Hold out 1/4 for gloss						
	USE "C" FORMULA ONLY WHEN W-179 IS NOT AVAILABLE					
YIELD						

Standard formula
Not to be taken
from File

IS AGITATOR REQUIRED

VISC. F.B. 110-120" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 cup

COLOR White SHEEN 60-65

NON VOL. FLASH PT. 105°F

MATCH FOR

REDUCER S-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN

A. D. TO RECOAT IN 24 hours

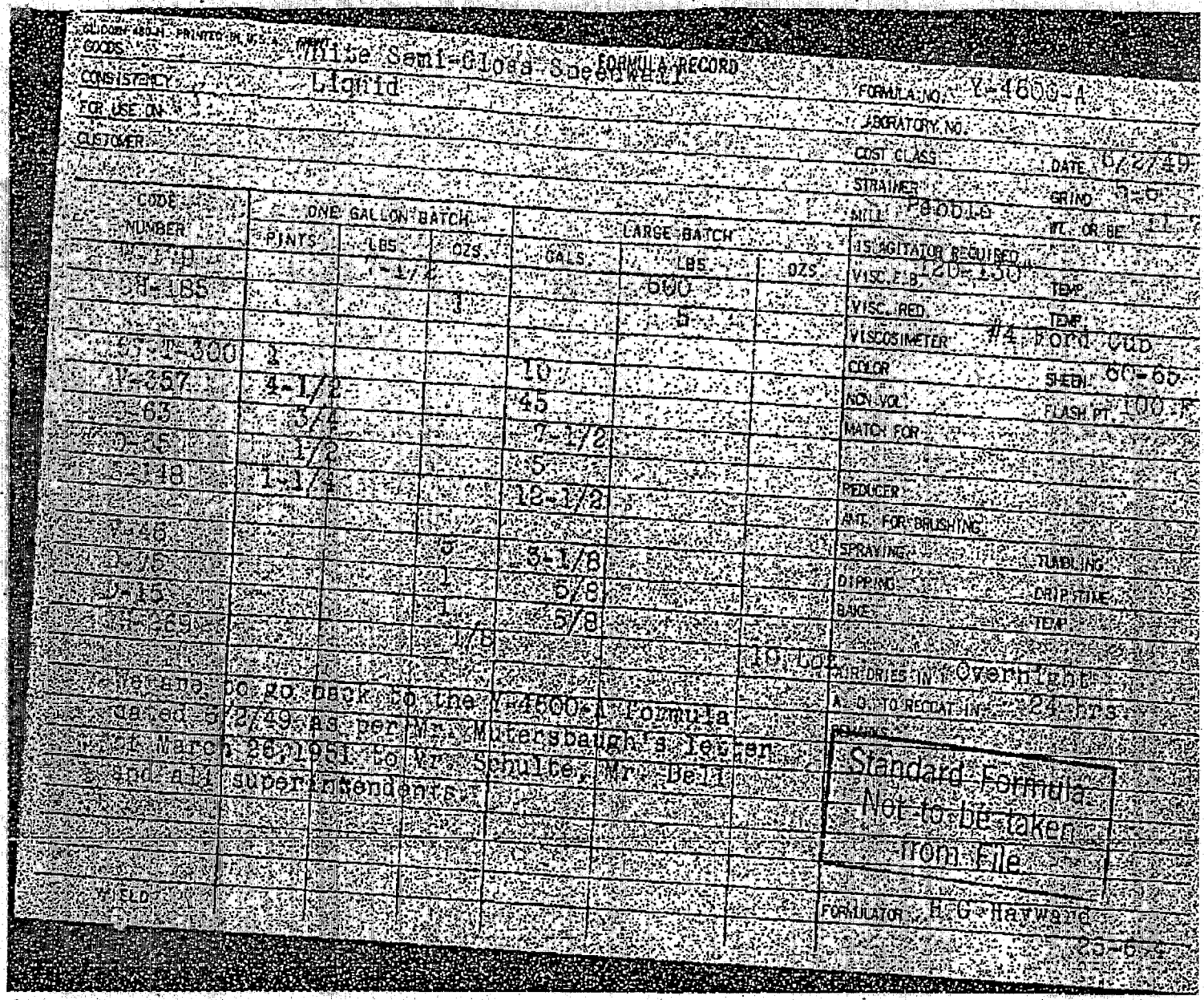
REMARKS

FORMULATOR H.G.H.

26-4

GLD059892

GLIDDEN 480-H PRINTED IN U.S.A.



GOODS White Semi-Gloss Speedwall

FORMULA RECORD

CONSISTENCY Liquid

FORMULA NO. Y-4600-A

FOR USE ON

LABORATORY NO.

CUSTOMER

COST CLASS

DATE 6/2/49

STRAINER

GRIND 5-6

MILL Pebble

WT. OR BE 11

CODE NUMBER	ONE GALLON BATCH PINTS	LBS	OZS	LARGE BATCH GALS	LBS	OZS
[illegible]		7-1/2			600	
SH-185			1		5	
[illegible]-300	1			10		
V-357	4-1/2			45		
[illegible]-63	3/4			7-1/2		
[illegible]-65	1/2			5		
[illegible]-148	1-1/4			12-1/2		
V-46			5	3-1/8		
[illegible]-75			1	5/8		
[illegible]-15			1	5/8		
[illegible]-269			1/8			10 Loz

We are to go back to the Y-4600-A Formula dated 6/2/49 as per Mr. Mutersbaugh's letter of March 26, 1951 to Mr. Schulte, Mr. Bell and all superintendents.

IS AGITATOR REQUIRED

VISC. F.B. 120-130

TEMP.

VISC. RED.

TEMP.

VISCOSIMETER #4 Ford Cup

COLOR

SHEEN 60-65

NON VOL.

FLASH PT. 100 F

MATCH FOR

REDUCER

AMT. FOR BRUSHING

SPRAYING

TUMBLING

DIPPING

DRIP TIME

BAKE

TEMP.

AIR DRIES IN Overnight

A. D. TO RECOAT IN 24 hrs.

REMARKS

Standard Formula
Not to be taken
from File

YIELD

FORMULATOR H. G. Hayward

25-6-

GLD059893

GLIDDEN 480-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

GOODS Semi-Gloss Speed Wall White

FORMULA NO. Y-4600-D

CONSISTENCY

LABORATORY NO.

FOR USE ON

COST CLASS

DATE 1/12/50

CUSTOMER

STRAINER

GRIND 5-6

MILL Pebble

WT. OR BE 12-3/8

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-179		7	8			
W-150		1				
M-333			1/2			
67-T-300	1/2					
V-872	6					
O-268	1/4					
S-148	1-1/4					
D-75			1 Loz/Gal			
D-15			2 " "			
CH-243			1/8 " "			

IS AGITATOR REQUIRED

VISC. F.B. 100-120 TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 cup

COLOR SHEEN

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN

A. D. TO RECOAT IN 24 Hrs

REMARKS

Standard Formula
Not to be taken
from File.

FORMULATOR Southwick

25-6-4

GLD059894

GLIDDEN-DURKEE PRINTED IN U.S.A. FRONT

FORMULA RECORD

GOODS: Speed-Wall Semi-Gloss White — FORMULA NO. Y-4600-B

CONSISTENCY: Liquid — LABORATORY NO.

FOR USE IN: — COST CLASS — DATE 10/8/51

CUSTOMER — STRAINER — GRIND 5-6

MILL Pebble — WT. OR DE 11.7#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-179		7	8		600	
CR-185			1		5	
M-333			3/4		3-3/4	
W-104			2		10	
67-T-300	1			10		
V-357	4-1/2			45		
O-60	1			10		
O-65	1/4			2-1/2		
S-148	1-1/4			12-1/2		
D-15			2	1-1/4		
D-75			1-1/2	15/16		
CR-269			1/8			10 Loz

REFORMULATED TO IMPROVE DRY:

Standard Formula Not to be taken from File

YIELD

IS AGITATOR REQUIRED

VISC. F. EL 120-130" STEP

VISC. RED TEMP

VISCOSIMETER #4 Ford Cup

COLOR SHEEN 60-65°

NON VOL. FLASH PT 100° F

MATCH FOR

REDUCER

WT. FOR BRUSHING

SPRAYING TO BLEND

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 8-10 hrs.

A. D. TO RECOAT IN 24 hrs.

REMARKS:

V-46 - 1 Oz/gal to raise sheen when needed.

FORMULATOR: Southwick

25-8-4

GLD059895

GLIDDEN 4600 M PRINTED IN U.S.A. FONT

FORMULA RECORD

FORMULA NO. Y-4600-F

GOODS Spead Wall Semi-Gloss-White

LABORATORY NO.

CONSISTENCY

COST CLASS DATE 4/22/52

FOR USE ON

STRAINER GRIND 5-8

CUSTOMER

MILL WT. OR BE 11-3/4

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-179		7	8			
W-33			4			
CR-185			1			
M-333			1			
67-T-300	1/2					
V-872	5-3/4					
S-43	1/2					
S-148	1-1/4					
D-18			2	1oz/gal.		
D-75			1	" "		
CH-269			1/8	" "		
O-320			2-4	Oz/gal. to raise sheen if needed.		

Standard Formula
Not to be taken
from file

J5 AGITATOR REQUIRED

VISC. F.B. 100-110" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SPEED 60-65°

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-43 as needed

AMT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 6-8 hours.

A. D. TO RECOAT IN 24 hours

REMARKS

FORMULATOR Southwick

YIELD 25-6-4

GLD059896

GLIDDEN AND H. PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. # Y-4600-F

GOODS: Speed Wall Alkyd Semi-Gloss - White

LABORATORY NO.

CONSISTENCY

COST CLASS. DATE 2/5/54

FOR USE ON

STRAINER GRIND 5-6

CUSTOMER

MILL Pebble WT. OR BE

Standard Formula
Active
Discontinued Y-4600-F
See 1/2/54

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-179		7	8			
W-33			4			
CH-185			1			
M-333			1			
67-T-300	1/2					
V-872	5-3/4					
S-43	1/2					
S-148	1-1/4					
D-15			2	Loz.		
D-75			1	"		
CH-243			1/8	"		
0-325	1 Gallon to 400 Gallon batch.					

Standard Formula Not to be taken from File.

IS AGITATOR REQUIRED

VISC. F.B. 95-110" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN 60-65°

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-43 as needed

AMT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 6-8 hrs.

A. D. TO RECOAT IN 24 hrs.

REMARKS:

0-320 2-4 Loz./gal. to raise sheen if need

* Reissued to include 0-325 in batch for flow and viscosity.

FORMULATOR J. Southwick

YIELD 1.34 Gal.

28-8-6

GLD059897

FORMULA RECORD

FORMULA NO. Y-4600-G

GOODS White - Speed Wall Alkyd Semi Gloss

LABORATORY NO.

CONSISTENCY

COST CLASS, DATE

FOR USE ON

STRAINER GRIND

CUSTOMER

MILL Pebble Only WT. OR V

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-163		2	12			
W-154		1	6			
W-33			2			
W-195			3/8			
VM-723			1			
VM-679			1			
M-333			3/4			
V-872	3					
S-240	1-1/8					
Grind	O.N. to 6					
V-872	2-1/2					
S-240	1-3/8					
VM-432			1/2	Loz.		
VM-530			3/16	"		
CB-243			1/8	"		
CB-254			1-1/4	Loz/100 gals. of paint		
O-325			2	Gals./100 gallons "	"	
YIELD	1.17					

Standard Formula
Not to be taken
from File

IS AGITATOR REQUIRED

VISC. F. S. 90-105" TEMP.

VISC. PED TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN 60-6

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-240

AMT. FOR BRUSHING PB

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-6 hrs.

A. D. TO RECOAT IN O.N.

REMARKS: Changed for bette
non penatration, pdo
and brushing.

FORMULATOR J.E. Southwick

33-8-6

GLD059898

SLOBOY 480-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. V-4600-H

GOODS Speed-Wall Alkyd Semi Gloss - White

LABORATORY NO.

CONSISTENCY

COST CLASS D DATE 2/21/5

FOR USE ON

STRAINER GRIND 6

CUSTOMER

MILL Pebble WT. OR BE. 10.

CODE NUMBER	ONE GALLON BATCH PINTS	LBS	OZS	LARGE BATCH GALS	LBS	OZS
W-163		2	12			
W-154		1	8			
W-33			2			
W-195			2			
VM-679			3/4			
CH-185			1/4			
M-333			1/2			
V-872	2					
S-240	1-3/4					
Grind to 6 and add:						
V-872	3-1/2					
S-240	3/4					
VM-432			1/2			
VM-530			3/16			
~~VM-280~~ CH 269			1/8			
CH-254			2 Lbs/400 gal.			
O-325		1/2 gal./400 gal.				
YIELD	1.17					

Standard Formula. Not to be taken from File

IS AGITATOR REQUIRED

VISC. F.B. 90-105" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN 60-65

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-240

APT. FOR BRUSHING FB

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4 hrs.

A. D. TO RECOAT IN O.N.

REMARKS

Changed to eliminate VM-723.

FORMULATOR J.E.S.

26-8-7

GLD059899

GLIDDEN 4-60-H. PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-4600-R *

GOODS Speed-Wall Alkyd Semi Gloss - White

LABORATORY NO.

CONSISTENCY

COST CLASS DATE 3/16/5

FOR USE ON

STRAINER GRIND 6

CUSTOMER

MILL Pebble WT. OR BE 10.

CODE NUMBER	ONE GALLON BATCH PINTS.	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-163		2	12			
W-154		1	8			
W-33			2			
W-195			2			
VM-679			3/4			
CH-185			1/4			
M-333			1/2			
V-872	2					
S-240	1-3/4					
Grind to 6 and add:						
V-872	3-1/2					
S-240	3/4					
VM-432			1/2			
VM-530			5/16			
CH-269			1/8			
CH-254			2 Lbs/400 gal.			
O-325			1/2 gal./400 gal.			

Standard formula. Not to be taken from File.

Reissued to show correction on CH-269.

YIELD 1.17

IS AGITATOR REQUIRED

VISC. F.B. 90-105" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN 60-65

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-240

AVT. FOR BRUSHING FB

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4 hrs.

A. D. TO RECOAT IN O.N.

REMARKS: Changed to eliminate VM-723.

FORMULATOR J.E.S.

28-8-7

GLD059900

COST	DATE	ANALYSIS	CUSTOMERS Y-4600-H
		PIGMENT 37.7 %	Speed-Wall Alkyd Semi Gloss
		VEHICLE 62.3 %	White
		100.0 %	2/21/55
			NO CHANGE IN ANALYSIS
		PIGMENT	
		Titanium Dioxide	61.0% "Y" Trade Sales Test 3-17
		Calcium Carbonate	36.2
		Zinc Oxide	2.8 (England 12-21-55
			100.0 % Spain 12-21-55
			Peru 12-21-55
			Columbia 1-10-56
		VEHICLE	
		Soya Alkyd Resin	43.2%
		Mineral Spirits & Driers	56.8
			100.0 %
			X
		Y-4600 552	

GLD059901

GLIDDEN 480-H PRINTED IN U.S.A. (FRONT)

FORMULA RECORD

FORMULA NO. Y-4600-H Emergenc

GOODS Speed-Wall Alkyd Semi-Gloss- White

LABORATORY NO.

CONSISTENCY Liquid

COST CLASS

DATE 10/10/55

FOR USE ON

STRAINER

GRIND 6

CUSTOMER

MILL Pebble

WT. OR BL 10.3#/

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
Titanox C-50		5				
W-33			2			
W-195			1-1/2			
VM-679			3/4			
CH-185			1/4			
W-333			1/2			
V-872	2					
S-240	1-3/4					
Grind to 6 then add:						
V-872	3-1/2					
S-240	3/4					
VM-432			1/2 Loz.			
VM-530			1/4			
CH-269			1/8			
CH-254			2 Loz/400 gal.			
C-325		1/2 gal./400 gal.				
YIELD	1.19					

Standard Formula
Not to be taken
from File

IS AGITATOR REQUIRED

VISC. F.B. 90-105" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR White SHEEN 60-65

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-240

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4 hrs.

A. D. TO RECOAT IN O.N.

REMARKS

DISCONTINUED

SEE 4600-J

FORMULATOR J. Watson

28-8-

GLD059902

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT %	"Y" Trade Sales List 10-24-55
		VEHICLE %	Cuba 11-16-55
			~~[illegible]~~ Chile 11-22-55
			England 12-21-55
		PIGMENT	France 12-21-55
			Peru 12-21-55
		VEHICLE	

GLD059903

SHERWIN-WILLIAMS PRINTED IN U.S.A. FORM

FORMULA RECORD

FORMULA NO. Y-4600-J

GOODS Spred Lustre Alkyd Enamel

LABORATORY NO.

CONSISTENCY

COST CLASS DATE 7/17/56

FOR USE ON

STRAINER GRIND 5-6

CUSTOMER

MILL Pebble WT. OR BE 10.

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
V-214		5	8		460	
V-33			1-1/2		7-1/2	
V-195			1-3/4		9	
VM-679			3/4		4	
V-333			1		5	
CH-185			1/2		2-1/2	
V-869	2-1/8			22		
S-240	1-3/4			18		
	Grind ON to 5-6 and add:					
V-869	3-3/8			35		
S-240	3/4			7-3/4		
VM-432			1/2 Loz.			42 Loz.
VM-530			5/16 Loz.			26 Loz.
CH-269			1/8 Loz.			10 Loz.
*Vandor-22			4 Loz/400 gal.			1 Loz.
O-325			1/4 Gals./400 gals.			8 Loz.
TOTAL	1.20			100		

IS AGITATOR REQUIRED

VISC. F. B. 100-110" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN 60-65°

NON-VOL. FLASH PT.

MATCH FOR Y-3418

REDUCER S-240

ANTI-SKIN FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-5 hrs.

A. D. TO RECOAT IN O.N.

REMARKS

Standard Formula
Not to be taken
from File.

FORMULATOR J.E. Southwick

OK PCH 28-8

*Van Amaringen-Hoebler Inc.

GLD059904

COST	DATE	ANALYSIS	CUSTOMERS Y-4600-J
		PIGMENT 43 %	Spred Lustre Alkyd Enamel
		VEHICLE 57 %	White
		100 %	7/17/56
			W/Trade Sales Inf 8-22-56
		PIGMENT	(All Plant)
		Titanium Calcium 98.4%	
		Zinc Oxide 1.6	
		100.0%	
		VEHICLE	
		Soya Alkyd Resin	43.2%
		Mineral Spirits & Driers	56.8
			10000%
		Y-4600 657	

GLD059905

BLANK BOOK 480-R PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-4600-K

GLOSS Spred Lustre Alkyd Enamel

LABORATORY NO. 12/62

CONSISTENCY

COST CLASS DATE 11/23/56

FOR USE ON

STRAINER GRIND 5-6

CUSTOMER

MILL WT. OR BE 10.9#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS	OZS	LARGE BATCH GALS.	LBS	OZS
W-214		5	8		460	
W-33			1-1/2		7-1/2	
W-195			1-11/16		8-1/2	
VM-679			3/4		4	
M-333			1		5	
CH-185			1/2		2-1/2	
V-869	2-1/8			22		
S-240	1-3/4			18		
Grind overnight to 5-6 and add:						
V-869	3-3/8			35		
S-240	3/4			7-3/4		
VM-132			1/2		42 Loz.	
VM-530			3/8		31 Loz.	
CH-269			1/8		10 Loz.	
M-443					X Loz.	
					+ D. Fe	
181-A-6	Trace					
~~X-200-A~~ X 227 Mixed						
0-32	3/4-1/2 gals./400 gallons for visc.					
YIELD	1.20			100 * per		

VISCOSITY AGITATOR REQUIRED

VISC. F.B. 100-110" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN 60-65°

NON-VOL. FLASH PT.

MATCH FOR Y-4600 color std. dated Oct. 1956.

REDUCER S-240

AMT. FOR BRUSHING R.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4 hrs.

A. D. TO RECOAT IN Overnight

CATALYST

AMT. OF CATALYST

POT LIFE

STABILITY AT

STABILITY AT

STABILITY AT

REMARKS Changed to new colo

FORMULATOR J.E. Southwick

OK PCH 2B-6-

Standard Formula Not to be taken from File

GLD059906

COST	DATE	ANALYSIS		CUSTOMERS Y-4600-K
		PIGMENT 43	%	Spred Lustre Alkyd Enamel
		VEHICLE 57	%	11/23/56
		100 %		
				Y Trade Sale List 11-30-56
		PIGMENT		
		Titanium Calcium	98.4%	
		Zinc Oxide	1.6	
			100.0%	
		VEHICLE		
		Soya Alkyd Resin	43.2%	
		Mineral Spirits &Driers	56.8	
			100.0%	
		Y-4600	657	

GLD059907

GL DOZN. 410-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-4600-J

GOODS Speed Lustre Alkyd Enamel

LABORATORY NO.

CONSISTENCY

COST CLASS

DATE 8/30/56

FOR USE ON

STRAINER

GRIND 5-6

CUSTOMER

MILL Pebble

WT. OR BE 70

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-214		5	8		460	
W-33			1-1/2		7-1/2	
W-195			1-3/4		9	
VM-679			3/4		4	
M-333			1		5	
CH-185			1/2		2-1/2	
V-869	2-1/8			22		
S-240	1-3/4			18		
	Grind ON to 5-6 and add:					
V-869	3-3/8			35		
S-240	3/4			7-3/4		
VM-432			1/2 Loz.			42 Loz
VM-530			5/16 Loz.			26 Loz
CH-269			1/8 Loz.			10 Loz
*Vandor-22			4 Loz/100 gal.			4 Loz
O-325			1/4 Gals./400 gals.			8 Loz
	*Van Ameringen-Hoebler Inc.					
YIELD	1.20			100		

Standard Formula
Not to be taken
from File

IS AGITATOR REQUIRED

VISC. F.B. 100-110" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN 60-65°

NON VOL. FLASH PT.

MATCH FOR Y-3418

REDUCER S-240

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-5 hrs.

A. D. TO RECOAT IN O.N.

REMARKS

**Reissued to make a correction on formula dated 7/17/56.

FORMULATOR J.E. Southwick

OK PCH 28-8

GLD059908

COST	DATE	ANALYSIS	CUSTOMERS Y-4600-T
		PIGMENT 43 %	Spred Lustre Alkyd Enamel
		VEHICLE 57 %	White
		100 %	7/17/56
		PIGMENT	"J" Trade Sales Lot 9-10-56
		Titanium Calcium 98.4%	
		Zinc Oxide 1.6	
		100.0	
		VEHICLE	
		Soya Alkyd Resin 43.2%	
		Mineral Spirits & Driers 56.8	
		100.0%	
		Y-4600 657	

GLD059909

GLIDDEN 480-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-4600-K(Atlan

GOODS Spred Lustre Alkyd Enamel - White

LABORATORY NO.

CONSISTENCY

COST CLASS DATE 9/5/57

FOR USE ON *Sent to Atlanta only.

STRAINER GRIND 5-6

CUSTOMER

MILL Pebble WT. OR BE 10.9

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-180					330	
W-170					130	
W-33					8	
W-195					8.5	
VM-679					4	
M-333					5	
GH-186					2.5	
V-869				22		
S-240				18		
Grind O.N. to 5-6 and add						
V-869				35		
S-240				7.7		
VM-432				.33		
VM-530				.24		
CB-243						10 Lbs
M-443						4 Lbs
181-A-6				Trace		
93-R-227				Trace		
O-325	1/4-1/2 gal/400 gallons for vibs.					
FIELD				100		

Standard Formula. Not to be taken from file

IS AGITATOR REQUIRED

VISC. F.B. 100-110" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN 60-65°

NON-VOL. FLASH PT.

MATCH FOR Y-4600 Color st

REDUCER S-240

PAT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-5 hrs.

A. D. TO RECOAT IN O.N.

CATALYST

AMT. OF CATALYST

POT LIFE TEMP.

STABILITY AT 200° F.

STABILITY AT 135° F.

STABILITY AT °F.

REMARKS

FORMULATOR J.E.Southwick

OK PCH 8-9-9

GLD059910

COST	DATE	ANALYSIS		CUSTOMER'S Y-4600-K
		PIGMENT 43 %		Spred Lustre Alkyd Enamel
		VEHICLE 57 %		11/23/56
		100 %		
				Southwick-Kenyon
		PIGMENT		Muskegon, Mich. 9-6-57
		Titanium Calcium	98.4%	Cobalt
		Zinc Oxide	1.6	
			100.0%	
		VEHICLE		
		Soya Alkyd Resin	43.2%	
		Mineral Spirits & Driers	56.8	
			100.0%	
		Y-4600	65T	

GLD059911

GLIDDEN 480-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-4600-K(Experim

GOODS Spred Lustre Alkyd Enamel

LABORATORY NO. tal

CONSISTENCY

COST CLASS

DATE 6/27/57

FOR USE ON FOR READING ONLY

STRAINER

GRIND 5-6

CUSTOMER

MILL Pebble

WT. OR BE 10.9

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-214					460	
W-33					7-1/2	
VM-679					4	
M-333					5	
CH-185					2-1/2	
Y-869				57		
67-T-209-A				7		
S-240				19		
VM-432						42 Loz
VM-530						31 Loz
CR-269						10 Loz
181-A-6	Trace					
93-R-227	Trace					
O-325		1/4-1/2 gal./400 gallon pt.				
YIELD				100		

Standard Formula
Not to be taken
from file

IS AGITATOR REQUIRED

VISC. F.B. 100-110" TEMP

VISC. RED. TEMP

VISCOSIMETER #4 Ford Cup

COLOR SHEEN 60-65

NON-VOL. FLASH PT.

MATCH FOR Y-4600 Color std

REDUCER

AMT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP

AIR DRIES IN

A. D. TO RECOAT 4-6 hrs.

CATALYST

AMT. OF CATALYST

POT LIFE TEMP

STABILITY AT 200°F

STABILITY AT 135°F

STABILITY AT °F

REMARKS

FORMULATOR J.B. Southwick

8-9

GLD059912

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT %	Bryan (Rdg) 7-5-57
		VEHICLE %	
			Clear only on "Y" Tinker
			Sales list 8-12-57
		PIGMENT	
		VEHICLE	

GLD059913

GLIDDEN 480-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

GOODS: Spred Lustre Alkyd Enamel

CONSISTENCY:

FOR USE ON:

CUSTOMER:

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS	LARGE BATCH GALS.	LBS.	OZS
W-214		5	8		460	
W-33			1-1/2		7-1/2	
W-195			1-11/16		8-1/2	
VM-679			3/4		4	
M-333			1		5	
CH-185			1/2		2-1/2	
V-869	2-1/8			22		
S-240	1-3/4			18		
Grind overnight to 5-6 and add:						
V-869	1-3/8			35		
S-240	3/4			7-3/4		
VM-432			1/2			42 Loz.
VM-530			3/8			31 Loz.
CH-269			1/8			10 Loz.
M-443						4 Loz.
181-A-6	Trace					
93-R-227	Trace					
C-325	1/4-1/2 gals./400 gallons for visc.					
**Destroy formula dated 11/23/56.						
TOTAL	1.20		100			

Standard Formula Not to be taken

FORMULA NO. Y-4600-K

LABORATORY NO.

POST CLASS

DATE **12/6/56

STRAINER

GRIND 5-6

MILL

WT. OR BE 10.9#

HS AGITATOR REQUIRED

VISC. F.B. 100-110"

TEMP.

VISC. RED.

TEMP.

VISCOSIMETER #4 Ford Cup

COLOR

SHEEN 60-65°

NON VOL.

FLASH PT.

MATCH FOR Y-4600 color std. dated Oct. 1956

REDUCER S-240

AMT. FOR BRUSHING F.B.

SPRAYING

TUMBLING

DIPPING

DRIP TIME

BAKE

TEMP.

AIR DRIES IN 4 hrs.

A.D. TO RECOAT IN Overnight

CATALYST

AMT. OF CATALYST # See attached formula for [illegible]

POT LIFE

STABILITY AT 200° F

STABILITY AT 135° F

STABILITY AT ° F

REMARKS Changed to new color std.

FORMULATOR J.E. Southwick

OK PCH

28-8-

GLD059914

COST	DATE	ANALYSIS		CUSTOMERS Y-4600-K
		PIGMENT 43 %		Spred Lustre Alkyd Enamel
		VEHICLE 57 %		11/23/56
		100 %		
				"Y" Trade Sales List 12-7
		PIGMENT		
		Titanium Calcium	98.4%	Ecuador 2-14-57
		Zinc Oxide	1.6	
			100.0%	Joe Pierson 2-27-57
				Cuba 4-4-57
				Bradley 4-11-57
				Schulte 5-21-57
				R.A. Dries (Union Com. Oil) 7/8/5
		VEHICLE		
		Soya Alkyd Resin	43.2%	B Park (Pyro) 8-22-57
		Mineral Spirits &Driers	56.8	
			100.0%	
		Y-4600	657	

GLD059915

GLIDDEN 1480 H PRINTED IN U.S.A. FROM

FORMULA RECORD

FORMULA NO. Y-4600-L

GLOSS: Speed Lustre - White

LABORATORY NO.

CONSISTENCY

COST CLASS. DATE 11/1/57

FOR COLORS Y-4605, Y-4641, Y-4643, Y-4651, Y-4655, Y-4663

STRAINER GRIND 5

CUSTOMER

MILL Pebble WT. OR BE 10.3#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
[illegible]-208		2	12		235	
[illegible]-154		1	8		128	
[illegible]-33			2		10.8	
[illegible]-195			1-7/8		10	
[illegible]-679			3/4		4	
[illegible]-185			1/8		1.1	
[illegible]-33			1		5.3	
[illegible]-869	2			22		
[illegible]-240	1-3/4			18.6		
Grind to 6 & add:						
[illegible]-869	3-1/2			35.8		
[illegible]-240	3/4			8.0		
[illegible]-432			1/2	.33		
[illegible]-530			3/8	.25		
[illegible]-243			1/8	.09		
[illegible]-443					4-1/2 Loz	
[illegible]-525				.14		
[illegible]-A-6	Trace					
[illegible]-R-227	Trace					
YIELD	1.17			100		

Standard Formula to be taken from

1ST AGITATOR REQUIRED

VISC. F.B. 100-110" TEMP

VISC. RED. TEMP

VISCOSIMETER #4 Ford Cup

COLOR SHEEN 60-65°

NON VOL. FLASH PT.

MATCH FOR Y-4600 Color Std.

REDUCER S-240

AMT. FOR BRUSHING P.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP

AIR DRIES IN 4-5 hrs.

A. D. TO RECOAT IN O.K.

REMARKS: Changed to use Y-208

FORMULATOR J.E. Southwick

28-0

GLD059916

COST	DATE	ANALYSIS		CUSTOMERS Y-4600-L
		PIGMENT 37.7 %		Spred Lustre Alkyd Enamel
		VEHICLE 62.3 %		White
		100.0%		11/1/57
				"Y" Trade Sale Ex List 11-6-57
		PIGMENT		Buena P (S Miller)
		Titanium Dioxide	61.0%	Y-4605 Peach Glow
		Calcium Carbonate	36.2%	
		Zinc Oxide	2.8	Y-4641 Crocus Yellow
			100.0%	
				Y-4643 Cotton Candy
				Y-4651 Congo Ivory
	Tinting material less than 5%			
				Y-4655 Springtime
		VEHICLE		
		Soya Alkyd Resin	43.2%	Y-4663 Smokey White
		Mineral Spirits & Driers	56.8%	
			100.0%	
		Y-46-B	7511	

GLD059917

SCHEDULE 80 PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-4600-M

GOOD Spred Lustre - White

LABORATORY NO.

CONSISTENCY

COST CLASS DATE 1/14/5

FOR USE ON Y-4605, Y-4641, Y-4643, Y-4651, Y-4655, & Y-4663

STRAINER GRIND 6

CUSTOMER

MILL Pebble WT. OR BE 10

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
[illegible]-208		2	12		235	
[illegible]-154		1	8		128	
[illegible]-31			2		10.8	
[illegible]-195			1-7/8		10	
[illegible]-670			3/4		8	
[illegible]-185			1/4		1.3	
[illegible]-33			1/2		3	
[illegible]-369	2			22		
[illegible]-40	1-3/4			18.6		
[illegible]-[illegible] and Quernite to 6 and add					Standard F-0	
[illegible]-069	3-1/2			36.8	Not o[illegible]	
[illegible]-240	3/4			8.0	from Hi[illegible]	
[illegible]-432			1/2	.33		
RR-530			3/8	.25		
[illegible]-243			1/8	.09		
[illegible]-193					4-1/2 Lbs.	
[illegible]-455	1/2 Gallon per 400 gallons					
[illegible]-A-6	Trace					
[illegible]-R-227	Trace					
YIELD	1.17			100		

IS AGITATOR REQUIRED

VISC. F.S. 100-110° TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford-Cup

COLOR SHEEN 60-65°

NON VOL. FLASH PT.

MATCH FOR Y-4600 Color

Std.

REDUCER S-240

WT. FOR BRUSHING T.S.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-5 hrs.

A. D. TO RECOAT IN O.N.

REMARKS DISCONTINUED

DEF 12-W-20

changed to lower code

FORMULATOR J. E. Southwick

GLD059918

COST	DATE	ANALYSIS	CUSTOMERS Y-4600-M
		PIGMENT 37.7 %	Spred Lustre Alkyd Enamel
		VEHICLE 62.3 %	White
		100.0%	
		PIGMENT	
		Titanium Dioxide 61.0%	Y-4605 Peach Glow
		Calcium Carbonate 36.2%	
		Zinc Oxide 2.8	Y-4641 Crocus Yellow
		100.0%	
			Y-4643 Cotton Candy
		Tinting material	Y-4651 Congo Ivory
		less than 5%	
			Y-4655 Springtime
		VEHICLE	
		Soya Alkyd Resin 43.2%	Y-4663 Smokey White
		Mineral Spirits & Driers 56.8%	
		100.0%	1/14/58
			No change in analysis.
		Chile 10-15-58	Schultz (SF) 9-2-60
		West Indies 1-14-59	Y Enamel List
		Japan 6-10-59	1-16-58
			Miller (B.P.) 1-16-58
			[illegible] 6-19-58
		Y-46-B 1511	Cuba 6-30-5
		Guatemala 12-15-58	Ecuador 7-16-5

GLD059919

GLIDDEN 400-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-4600-N

GOODS Spred Lustre - Super White

LABORATORY NO.

CONSISTENCY

COST CLASS DATE 9/14/59

FOR USE ON

STRAINER GRIND 6

CUSTOMER PRODUCTION MUST NOT CONTAIN LEAD

MILL Pebble WT. OR BE 10.5

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-238		3	9		300	
W-154		1	6		125	
M-333			1		5.2	
W-218 } pre-wet			7/16		2.3	
S-72 }		7/32	Loz }	.14		
V-891	6-1/4			65.7 (20 gal. in grind)		
S-240	1-3/4			18.4 (13 gal. in grind)		
VM-432		1/2	Loz }	.33		
D-83		1	Loz }	.66		
VM-523		1/2	Loz }	.33		
CH-359		3/16	Loz }	.13		
M-443					4-1/2	Loz
181-A-6	Trace					
YIELD	1-185			100		

Standard Formula
Not to be taken
from file

IS AGITATOR REQUIRED

VISC. F.B. 70-73 KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN 60-65

NON VOL. FLASH PT.

MATCH FOR Y-4600

REDUCER S-240

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 3-4 hrs.

& TO RECOAT IN O.N.

REMARKS

Same as Y-4650-B
dated 8/12/59.

FORMULATOR J. Southwick

30-12-12

GLD059920

CUST	DATE	ANALYSIS	CUSTOMERS Y-4600-N
		PIGMENT 40.3 %	Spred Lustre - Super White
		VEHICLE 59.7 %	
		100.0%	9/14/59
		PIGMENT	
		Titanium Dioxide 70.0%	No. 1 Label Varning
		Calcium Carbonate 30.0	
		100.0%	4 Pound Lot 9-15-59
			Lasting (Tube) 10-1
		Tinting material less than 5%	Panama 3-14-60
			10 Dollar 4-6-60
			Guatemala - Chile - Cuba
		VEHICLE	Peru - Japan - Colombia
		Soya Alkyd Resin 40.0%	Exhibit - Wet Ink 5-3-6
		Mineral Spirits & Driers 60.0	
		100.0%	Small Comp 6-24-60
			Lustre Cote 7-2-60

FORMULA RECORD DISCONTINUED

FORMULA NO. Y-4600-P

GOODS 'Spred Lustre - Super White

LABORATORY NO.

CONSISTENCY SEE Y-4600-O COST CLASS DATE 6/9/60

FOR USE ON STRAINER GRIND 6

CUSTOMER This Production Must Not Contain Lead MILL Pebble WT. OR SP. GR. 10.6

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-238				(8.72)	300	
W-154				(5.53)	125	
W-199				.56	13	
H-333				.4	5.2	
CH-185				.20	1.75	
W-218	Pre-mix before			.18	2.3	
S-72	adding to mill.			.14	(1)	
V-891 (20 gal. in grind)				58.0	(486)	
S-240 (13 gal. in grind)				19.1	(128.5)	
W-433				37	(3.00)	
W-816				75	(5.55)	
CR-359				14	(1.08)	
M-43					4-1/2 Lbs.	
Std-A-6	Standard Formula Not to be taken from File				Trace	
YIELD				100.09	1072	

MISCELLANEOUS

VISC. F.B. 72-74 KU TEMP. 77°F

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN 60-65

NON VOL. FLASH PT.

MATCH FOR Y-4600

REDUCER S-240

AMT. FOR BRUSHING W.B.

SPRAYING THINNING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-5 hrs.

A. D. TO RECOAT IN O.N.

REMARKS

by

Changed to improve gloss, viscosity, and sag resistance.

FORMULATOR J. E. Southwick

GLD059922

COST	DATE	ANALYSIS		CUSTOMERS Y-4600-P
		PIGMENT 41 %		Spred Lustre - Super White
		VEHICLE 59 %		
		100%		
				6/9/60
		PIGMENT		
		Titanium Dioxide	68.1%	No. 1 Label Warning
		Calcium Carbonate	28.9	[illegible] 6-16-60
		Magnesium Silicate	3.0	[illegible] 6-16-60
			100.0%	[illegible] (SF) 9-2-60
				[illegible]
		Tinting material less than 5%		[illegible]
		VEHICLE		
		Soya Alkyd Resin	38.5 %	[illegible] (#15) 2-7-61
		Mineral Spirits & Drier	51.5	
			100.0%	~~[illegible]~~ #7 (Keiting) 2-7-6[illegible]
		Y-4600- 069		

GLD059923

FLIDDEN 880-H PRINTED IN U.S.A. FRONT

FORMULA RECORD BASE

FORMULA NO. Y-4600-Q (Cow

GOODS Spred Lustre - Super White

LABORATORY NO.

CONSISTENCY

COST CLASS

DATE 7/31/

FOR USE ON

STRAINER

GRIND 6

CUSTOMER Less than 1% Lead

MILL Cowles

WT. OR BE 10.7

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
Add in order listed:						
V-891				36.0	(273.6)	
W-218				(0.27)	4.0	
W-199				(0.88)	20.0	
W-255				(8.72)	300.0	
W-154				(5.53)	125.0	
Disperse to a grind and add:						
CH-185				(0.34)	3.0	
M-333				(0.40)	5.2	
S-72				0.21	(1.4)	
Mix 5 min.						
V-891				26	(197.6)	
S-240				20.4	(132.0)	
VM-433				0.37	(3.00)	
VM-816				0.75	(5.55)	
CH-359				0.14	(1.08)	
M-443					4-1/2 Lo	
181-A-6				Trace		
YIELD				100.01	1071.23	

Standard Formula. Not to be taken from File.

IS AGITATOR REQUIRED

VISC. F.B. 72-74 KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN 60-65

NON VOL. FLASH PT. 100°

MATCH FOR Y-4600

REDUCER S-240

AMT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-5 hrs.

A.D. TO RECOAT IN Overnight

REMARKS

50% Mill Base

41.5% NV by Vol.

37% P.V.C.

63.9% NV by Wt.

FORMULATOR J. E. Southwic

GLD059924

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT %	Hess (Texas) 8-30-61 [illegible]
		VEHICLE %	
		PIGMENT	
			On Y Enamel List 9-26-61
			Plants #1-2-4-5-8-12-14-+1
		VEHICLE	#1 (Zeus) 12-18-61 0
			#15 7-24-62 0
			Zeus & Angelo Caporaso 11-1-62

GLD059925

GLIDDEN 480-F PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-4600-Q BASE

GOODS Spred Lustre - Super White

LABORATORY NO. (Atlanta Only)

CONSISTENCY

COST CLASS DATE 6/16/61

FOR USE ON

STRAINER GRIND 6

CUSTOMER Less than 1% Lead

MILL Pebble WT. OR BE 10.7#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-255				(8.72)	300.0	
W-154				(5.53)	125.0	
W-199				(.88)	20.0	
M-333				(.4)	5.2	
CH-185				(.34)	3.0	
W-218 Pre-Mix				(.27)	4.0	
S-72				.21	(1.4)	
V-891 (20 gals. in grind)				62.0	(471)	
S-240 (13 gals. in grind)				20.4	(132)	
VM-534				.37	(3.00)	
VM-616				.75	(5.55)	
CH-359				.14	(1.08)	
M-443						4-1/2 Loz.
181-A-6				Trace		
YIELD				100.01	107(1.23)	

IS AGITATOR REQUIRED

VISC. F.S. 72-74 KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN 60-65°

NON VOL. FLASH FT.

MATCH FOR Y-4600

REDUCER S-240

ART. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-5 hrs.

ADD TO RECOAT IN O.N.

REMARKS: Changed to improve gloss and sag.

%NV by Vol. 41.5

%NV by Wt. 64.6

% Mill Base - 49.4

FORMULATOR J.E. Southwick

GLD059926

COST	DATE	ANALYSIS		CUSTOMERS
		PIGMENT	%	
		VEHICLE	%	#1(Southwick - Herzog - 338)6/21/
		PIGMENT		#8 (House-Atwood) 6/21/61
				± 2 2-36-62 0
		VEHICLE		

GLD059927

GLIDDEN 480-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-460

GOODS Spred Lustre - Super White

LABORATORY NO.

CONSISTENCY

DISCONTINUED

COST CLASS. DATE

FOR USE ON

STRAINER GRIND

CUSTOMER No. Less than 1% Lead See Y-4600-Q

MILL Pebble WT. O

SET TALLAGE DRIER DATED 6-16-4

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	GALS.	LBS.	OZS.
W-255				(8.72)	300.0	
W-154				(5.53)	125.0	
W-199				(.88)	20.0	
M-333				(.4)	5.2	
CH-185				(.34)	3.0	
W-218) Pre-Mix				(.27)	4.0	
S-72				.21	(1.4)	
V-891 (20 gals. in grind)				62.0	(471)	
S-240 (18 gals. in grind)				20.4	(132)	
VM-433				.37	(3.00)	
VM-816				.75	(5.55)	
CH-359				.14	(1.08)	
M-443						4-1/2 Loz.
181-A-6				Trace		
YIELD				100.01	1071.23	

Standard Formula Not Taken from File

IS AGITATOR REQUIRED

VISC. F.B. 72-74 KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN 60-65°

NON VOL. FLASH PT.

MATCH FOR Y-4600

REDUCER S-240

AMT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-5 hrs.

A. D. TO RECOAT IN O.N.

REMARKS Changed to improve gloss and sag.

%NV by Vol. -41.5

%NV by Wt. -64.6

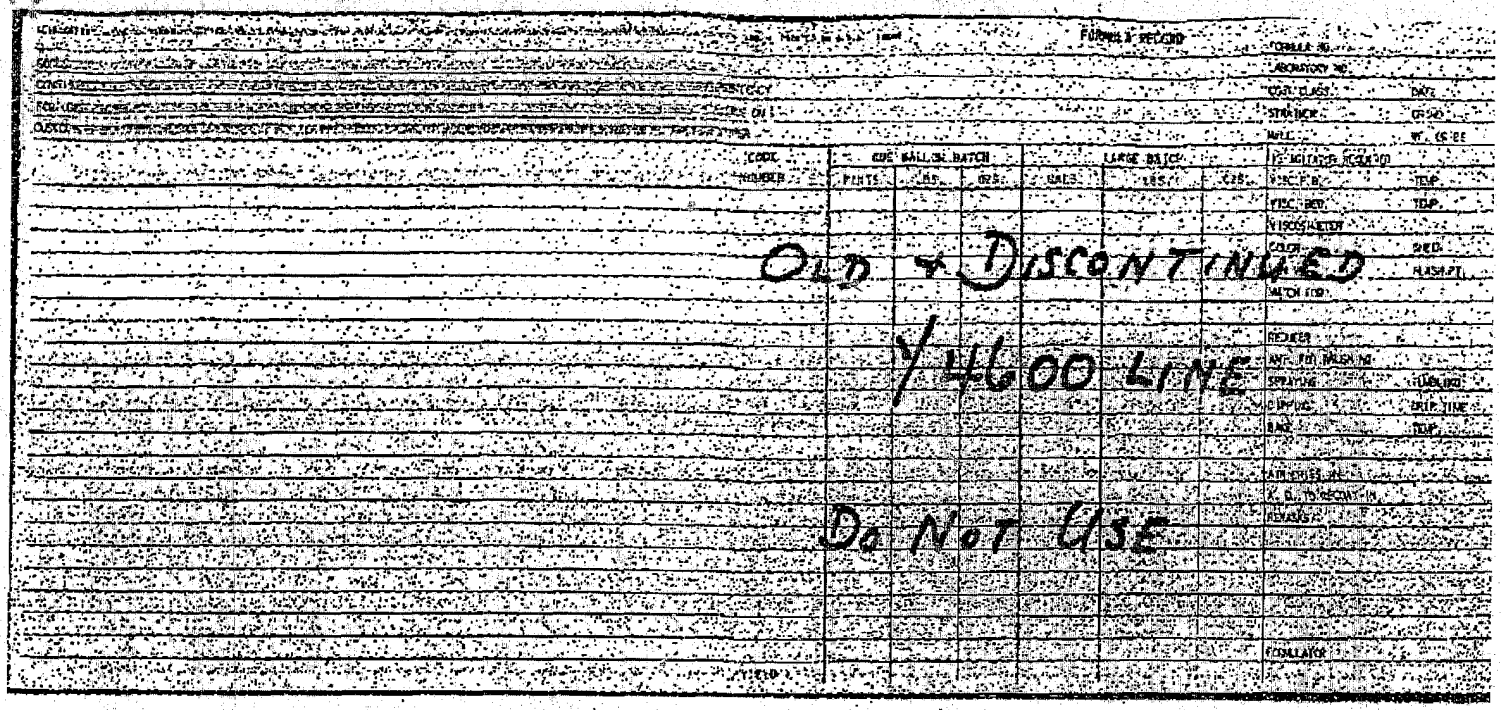
% Mill Base - 49.4

FORMULATOR J.E. Southwick

GLD059928

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT 41 %	Spred Lustre - Sunset
		VEHICLE 59 %	
		100%	
		PIGMENT	
		Titanium Dioxide 68.1%	No. ~~[illegible]~~ Warning
		Calcium Carbonate 28.9	No. 11-62 NPVLA
		Magnesium Silicate 3.0	
		100.0%	Y Enamel List 4-20-
			Plants #1-2-4-5-12-14-8-11
			17-7+15
		Tinting material less than 5%	Chile Colombia Ecuador
			Guatemala Japan Peru
		VEHICLE	West Indies 1-5-12-61
		Soya Alkyd Resin 38.5 %	
		Mineral Spirits & Drier 61.5	Cachet (#1) 6-1-61
		100.0%	
			TMS (#1) 7-28-61 (#1)
			Hess (Texas) 8-10-61 (1)
			Hess (#16) 9-19-61 (1)
			Japan Sekisan 4-4-62
		V-4600- 069	Costa Rica 6-7-6

GLD059929


FORMULA RECORD
OLD & DISCONTINUED
Y4600 LINE
DO NOT USE