Glidden Form 1102-1 Printed in U.S.A. 2/67

C & R FORMULA

FILMED

Product Japalac Enamel - Dawn Gray

Customer

CODE NUMBER	100 GALLON BATCH GALLONS	100 GALLON BATCH POUNDS	% BY WEIGHT	MANUFACTURING INSTRUCTIONS
	DISCONTINUED			
	USE	85-E-68		
Yield				

Standard Formula. Not to be taken from File.

Formula Number	Y-1319-II
Laboratory Number	
R.M. Cost	Date 8-31-67
Mill	Grind
NPVLA	Lead -1
Label Warning	11-62
Wt. Gal.	8.5#
Flash Pt. °F	100°
N.V.W.	
N.V.Vol.	
Visc. F.B.	90-100"
Visc. Red.	
Reducer	Ratio
P.V.C.	pH
Color	Match
Gloss	Method
Strainer	
Container	
Application	
AD Bake	
Recoat Time	
Remarks	
Formulator	
Approved by	

METHOD

N12082

GLD059403

Golden Lotus 1309-1 (Back) Made in U.S.A.

C & R FORMULA

CLASS				
CODES				

DESCRIPTORS (20 spaces-limit)

Trade Name Customer

Substrate and Treatment

End Use

Specifications

Royalty Yes ___ No ___ Silicone Yes ___ No ___

Resins

Color Gloss

For Use On

Resistance

Manufactured at Plants: Y-Paint Ltd 8-1-67 (2)

(Tech Only) #5-8-11-15-16-17 "

#30 (Engraving) "

Manufacturing Instructions or Remarks

C. Rica, Panama, Mexico, Guatemala 2-8-68 (6)

Date Formula No.

Product

Label Warning

ANALYSIS

Pigment

Vehicle

Pigment

Vehicle

GLD059404

Glidden Form 1139-1 Printed in U.S.A. 4/66

C & R FORMULA

Product: Japalac Enamel - Dawn Gray

Customer:

CODE NUMBER	100 GALLON BATCH GALLONS	100 GALLON BATCH POUNDS	% BY WEIGHT	MANUFACTURING INSTRUCTIONS
40-W-127	99.4	(855.5)		
369-B-131	(0.44)	3.9		
369-Y-89	(0.18)	2.3		
369-R-269	(0.05)	0.8		
Yield	100.07	862.5		

Formula Number: Y-1219-H

Laboratory Number:

R.M. Cost: Date: 3/1/67

Mill: Mix Grind:

HPVLA: %Lead: -1

Label Warning: 11-62 METHOD

Wt./Gal.: 8.5#

Flash Pt. °F: 100°

N.V.Wt.:

N.V.Vol.:

Visc. F.B.: 90-100"

VEEHR: #4 F.C.

Reducer: S-340 Ratio:

P.V.C.: pH:

Color: Gray Match: Y-3414

Gloss: Over 85 Method:

Strainer:

Container:

Application:

Cure: Air Dry: 3-4 hrs.
Recoat: Overnight

Remarks:

Formulator: J. E. Southwick

Approved by:

Standard Formula
Not to be used
Non File

GLD059405

Glidden Form 1109-1 (back) Printed in U.S.A. 4/66 C & R FORMULA

CLASS					
CODES					

DESCRIPTORS (20 spaces-limit)

Trade Name Customer

Substrate and Treatment

End Use

Specifications

Royalty Yes [ ] No [ ] Silicone Yes [ ] No [ ]

Resins

Color Glass

For Use On

Resistance

Manufactured at Plant #1-2-4-12-14 2-16-67

Transfer

#5-8-11-15-16-17 2-16-67

Manufacturing Instructions or Remarks

#3A (Negative) 3-30-67

Date 3/1/67 Formula No. Y-1219-H

Product Jepalec Enamel - Dawn Gray

Label Warning #11-52 HPVLA

ANALYSIS

Pigment	17.7	%
Vehicle	82.3	%
	100.0%	

Pigment

Titanium Dioxide	100%

Tinting material less than 5%

Vehicle

Soya Alkyd Resin	42%
Mineral Spirits & Driers	58%
	100%

NO CHANGE IN ANALYSIS

Y-1219 065

GLD059406

GLIDDEN 180-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1219-H

GOODS Japalac Enamel - Dawn Gray

NO CHANGE

LABORATORY NO.

CONSISTENCY

FOOD USE

COST CLASS.

DATE 3/21/63

FOR USE ON Mfg. at plants #1-2-4-~~8~~-~~9~~-12-14-~~[illegible]~~

STRAINER

GRIND 7-8

CUSTOMER This Production Must Not Contain Lead

MILL Mix

WT. OR BC 8.5#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
40-W-127				99.4	(855.5)	
369-B-131				(0.44)	3.9	
369-Y-89				(0.18)	2.3	
369-R-269				(0.05)	0.8	
YIELD				100.07	862.5	

IS AGITATOR REQUIRED

VISC.F.B. 90-100" TEMP. 77°F

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR Gray SHEEN Gloss

NON VOL. FLASH PT. 100°F

MATCH FOR Y-3414

REDUCER S-43

WT. FOR BRUSHING P.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 3-4 hrs.

A. D. TO RECOAT IN Overnight

REMARKS:

Changed to use 369 bases.

FORMULATOR J. E. Southwick

Strip [illegible] to be taken from file.

GLD059407

COST	DATE	ANALYSIS	CUSTOMERS
1 C-B	(Beck)	5-4-64 PIGMENT [illegible] %	[illegible]
		VEHICLE 62.3 %	
-30 (Equitone)		100.0%	3/21/63
12-24-64			U-C-E Beck
		PIGMENT	
230 (Thomlex)		Titanium Dioxide 100%	
2-23-66			
Reference!			Warning No. 11-62 INDIA
1-4-67			11/14/62
		Mixing material less than 5	
			No change in analysis
		Flue 5-5-64 (3)	
			Y Enamel Int 3-27-630
		VEHICLE	#1-2-4-5-8-12-14-15-16-17
		Soya Alkyd Resin 42%	
		Mineral Spirits & Driers 58%	Stamped
		100%	#11 3-29-630
		Guatemala 3-9-640	
			Italy 9-3-63
		Manila 3-31-64	
			Panama 9-25-63
		Eng. Dr. Pb 4-6-64	
			Sri Lanka 2-12-640
		Africa 4-22-64	
		Colombia 4-24-643	Mexico 2-21-640
		Y-1219 065	
		Ecuador 4-27-64	West Indies 3-3-67

GLD059408

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

FORMULA RECORD

FORMULA NO. Y-1219-G BASE

GOODS: Japalac Enamel - Dawn Gray (1-10-63)

LABORATORY NO. Tallate Driers

CONSISTENCY: Mfg. at plants #1-2-4-5-8-12-14-15-16-17

COST CLASS.

DATE 9/6/62 #

FOR USE ON: This Production Must Not Contain Lead

STRAINER

GRIND 7-8

CUSTOMER: (Less than 1% Lead)

MILL Mix

WT. OR BE 8.5#

CODE NUMBER	Gals. XXXX	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
40-W-127-M	1176	10,000		99.1	845.0	
318-B-7 or Y-1720		46			3.9	
318-Y-37		27			2.3	
318-R-210		9			0.8	
YIELD	1185	10,072		100	852	

DISCONTINUED SEE 7-12-9-14

Standard Formula, Not to be taken from File.

IS AGITATOR REQUIRED

VISC. F.B. 90-100" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN Gloss

NON VOL. FLASH PT.

MATCH FOR Y-3414

REDUCER S-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP-TIME

BAKE TEMP.

AIR DRIES IN 3-4 hrs.

A. D. TO RECOAT IN O.N.

REMARKS:

*Reissued

FORMULATOR J. E. Southwick

GLD059409

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT 17.7 %	Y-1219-0
		VEHICLE 82.3 %	Japalac Enamel - Dawn Gray
		100.0%	9/6/62
		PIGMENT	~~No [illegible]~~ Warning 11-62 NPVA 11-1-62
		Titanium Dioxide 100%	No change in analysis
		Tinting material less than 5%	Gr 1 Enamel Lot [illegible]
			Stamped #11 9-6-62
		VEHICLE	
		Soya Alkyd Resin 42%	
		Mineral Spirits & Driers 58%	
		100%	
		Y-1219 065	

GLD059410

BLIBOON 480-H PRINTED IN U.S.A. FROM

FORMULA RECORD

GOODS	Japalac Enamel - Dawn Gray	FORMULA NO.	Y-1219-0
CONSISTENCY	1-2-4-5-6-9-12-14-15-16-17	LABORATORY NO.	
FOR USE ON	THIS PRODUCTION MUST NOT CONTAIN LEAD	COST CLASS.	DATE 5/6/61
CUSTOMER	(Less than 1% Lead)	STRAINER	GRIND 7-8
		MILL Mix	WT. OR BE 8.54

CODE NUMBER	0 GALS. INTEGRATION BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
10-W-127-D	1176	10,000		99.1	845.0	
110-B-7 OB						
Y-1720		46			3.9	
118-Y-37		27			2.3	
119-R-210		9			0.8	
DISCONTINUED						
SEE Y-1219 Tablet						
YIELD	1196	10,072		100	852	

Standard Formula - Not to be taken from File.

IS AGITATOR REQUIRED	
VISC. F.B. 90-100"	TEMP.
VISC. RED.	TEMP.
VISCOSIMETER #4 Ford Cup	
COLOR	SHEEN Gloss
NON VOL.	FLASH PT.
MATCH FOR Y-3414	
REDUCER S-43	
AMT. FOR BRUSHING F.B.	
SPRAYING	TUMBLING
DIPPING	DRIP TIME
BAKE	TEMP.
AIR DRIES IN 3½ hrs.	
A. D. TO RECOAT IN 0.K.	
REMARKS:	
Mix: Y-117	
[illegible]	
[illegible] Dispersion	
FORMULATOR J.E. Southwick	

GLD059411

COST	DATE	ANALYSIS	CUSTOMERS Y-1219-G
		PIGMENT 17.7 %	Japalac Enamel - Dawn Gray
		VEHICLE 82.3 %	
		100.0%	5/12/60
		PIGMENT	No. 1 Label Warning
		Titanium Dioxide 100%	
			Also Y-4115
			Y-4132
			[illegible]
		Tinting material less than 5%	[illegible]
			[illegible]
			[illegible]
			[illegible]
		VEHICLE	
		Soya Alkyd Resin 42%	Chile - Colombia - Ecuador [illegible]
		Mineral Spirits & Driers 58	[illegible]
		100%	
			Mexico (Texas) 8-2-61 (G-1)
			[illegible]
			Costa Rica 6-11-62
		Y-1219 065	

GLD059412

GLIDDEN 440-H. PRINTED IN U.S.A. FORM 1

FORMULA RECORD

FORMULA NO. Y-1219-P

GOODS Japalac Enamel - Dawn Gray

LABORATORY NO.

CONSISTENCY

COST CLASS. DATE 11/2/59**

FOR USE ON THIS PRODUCTION MUST NOT CONTAIN LEAD

STRAINER GRIND 7-8

CUSTOMER (Less than 1% Lead)

MILL Mix WT. OR BE 8.5#

CODE NUMBER	Gal. XXXX	GALLON BATCH LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
10-W-127-K	1176	10,000		99.1	845.0	
318-B-7 or	Y-1720	46			3.9	
318-Y-37		27			2.3	
318-R-210		9			0.8	
YIELD	1185	10,072		100	852	

Standard Formula Not Used Now

DISCONTINUED

IS AGITATOR REQUIRED

VISC.F.B. 90-100" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN Gloss

NON VOL. FLASH PT.

MATCH FOR Y-3414

REDUCER 8-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 3-4 hrs.

A. D. TO RECOAT IN O.N.

REMARKS:

**DESTROY COPY DATED 10/22/59.

Use Y-4115

FORMULATOR J.E. Southwick

30-12-12

GLD059413

COST	DATE	ANALYSIS	CUSTOMERS Y-1219-F
		PIGMENT 16.2 %	Japalac Enamel - Dawn Gray
		VEHICLE 83.8 %	
		100.0%	
		PIGMENT	11/2/59
		Titanium Dioxide 100%	
			No. 1 Label
		Binder material less than	5%
			No change in analysis.
			Y Enamel test 11-5-59
		VEHICLE	Mineral Spirits
		Soya Alkyd 42.0%	
		Mineral Spirits & Driers 58.0	
		100.0%	2-12-60
			Colombia
			Cuba
			Ecuador
			Guatemala
			Peru
			West Indies 2-12-60
		Y-1219 959	

GLD059414

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

FORMULA RECORD

FORMULA NO. Y-1219-P

GOODS Japalac Enamel - Dawn Gray

LABORATORY NO.

CONSISTENCY

COST CLASS. DATE 10/22/59**

FOR USE ON THIS PRODUCTION MUST NOT CONTAIN LEAD

STRAINER GRIND 7-8

CUSTOMER (Less than 1% Lead)

MILL Mix WT. OR BE 8.5#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
10-W-127-X				1176	10,000	
318-B-7 or Y-1720					46	
318-Y-37					27	
318-R-210					9	
YIELD				1185	10.072	

IS AGITATOR REQUIRED

VISC. F.B. 90-100" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN Gloss

NON VOL. FLASH PT.

MATCH FOR Y-3414

REDUCER S-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 3-4 hrs.

A. D. TO RECOAT IN O.N.

REMARKS:

Changed to use Y-891

**DESTROY COPY DATED 9/29/59.

FORMULATOR J.E. Southwick 30-12-12

GLD059415

COST	DATE	ANALYSIS	CUSTOMERS Y-1219-P
		PIGMENT 16.2 %	Japalac Enamel - Dawn Gray
		VEHICLE 83.8 %	
		100.0%	Y Enamel Lot [illegible]
		PIGMENT	
		Titanium Dioxide 100%	
			No. 1 Label Warning
		Tinting material less than	5%
		VEHICLE	
		Soya Alkyd 42.0%	
		Mineral Spirits & Driers 58.0	
		100.0%	
		Y-1219 959	

GLD059416

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

FORMULA RECORD

FORMULA NO. [illegible]-1219-P

GOODS [illegible] - Dark Green

LABORATORY NO.

CONSISTENCY

COST CLASS. DATE 9/29/59

FOR USE ON [illegible] PRODUCTION MUST NOT CONTAIN LEAD

STRAINER GRIND 7-8

CUSTOMER [illegible]

MILL [illegible] WT. OR BE [illegible]

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
[illegible]				3176	30.000	
[illegible]						
[illegible]					46	
[illegible]						
[illegible]					[illegible]	
[illegible]						
[illegible]					0	
YIELD				2185	19.072	

IS AGITATOR REQUIRED

VISC. F.B. 90-100 TEMP.

VISC. RED. TEMP.

VISCOSIMETER [illegible] Ford Cup

COLOR SHEEN [illegible]

NON VOL. FLASH PT.

MATCH FOR [illegible]-3431

REDUCER [illegible]

AMT. FOR BRUSHING [illegible]

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN [illegible] hrs.

A. D. TO RECOAT IN [illegible]

REMARKS:

Changed to use [illegible]

FORMULATOR [illegible]

30-12-1[illegible]

GLD059417

COST	DATE	ANALYSIS	CUSTOMERS Y-1219-P
		PIGMENT 16.2 %	Japalac Enamel - Dawn Gray
		VEHICLE 83.8 %	
		100.0%	9/29/59
		PIGMENT	
		Titanium Dioxide 100%	
			No. 1 Label Warning
			Y Gamel Zn
		Tinting material less than	5%
		VEHICLE	
		Soya Alkyd 42.0%	
		Mineral Spirits & Driers 58.0	
		100.0%	
		Y-1219 959	

GLD059418

FORMULA RECORD

COLOR: Japalac Enamel - Dawn Gray

CONSISTENCY

FOR USE ON

CUSTOMER

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
[illegible]-180		2	12			
W-208			10			
[illegible]-180			8			
[illegible]-333			1			
CH-185			1			
Y-672	0-5/8					
[illegible]-330	1/4					
S-43	1-1/8					
D-29			2 Loz.			
[illegible]-530			1/2 Loz.			
CH-243			1/8 Loz.			
[illegible]6-C-200			1/8 Loz.			
93-B-7			2-1/8			
93-[illegible]-37			1-3/8			
93-R-7			1/8			
93-D-17			1-3/8			
67-[illegible]-50			1 Loz. for sagging.			
YIELD						

Standard Formula. Not to be taken from File.

FORMULA NO. V-1219-E

LABORATORY NO.

COST CLASS. DATE **11/5/57

STRAINER GRIND 7-8

MILL Pebble MT. OR BE 10-1/2

IS AGITATOR REQUIRED

VISC.F.P. 95-105" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN Gloss

NON VOL. FLASH PT.

RATIO FOR

REDUCER S-43

ANT. FOR BRUSHING N.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-6 hrs.

A. D. TO RECOAT IN 24 hrs.

CATALYST Formula

ANT. OF CATALYST 10/25/56

POT LIFE reissued to use Glidden

STABILITY AT 200°F W-208.

STABILITY AT 135°F

STABILITY AT Color Y-4132

REMARKS Y-111

FORMULATOR J.E.S.

28-8-8

GLD059419

FORMULA RECORD

GOODS: Japalac Enamel - Dawn Gray

CONSISTENCY:

FOR USE ON:

CUSTOMER: 11-2-56

FORMULA NO. V-1219-E

LABORATORY NO.

COST CLASS. DATE 10/25/56

STRAINER GRIND 7-8

MILL Pebble WT. OR EE 10-1/4

IS AGITATOR REQUIRED

VISC.F.B. 95-105" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN Gloss

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES 4-6 hrs.

A. D. TO RECOAT IN 24 hrs.

CATALYST

AMT. OF CATALYST

POT LIFE TEMP.

STABILITY AT 200°F

STABILITY AT 135°F

STABILITY AT °F

REMARKS

FORMULATOR J.E.S.

28-8-5

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-180		2	12			
W-170 W-202			10			
W-140			8			
W-333			1			
CH-185			1			
V-872	6-5/8					
O-320	1/4					
S-43	1-1/8					
D-29			2 Loz.			
WH-530			1/2 Loz.			
WH-269 CH 243			1/8 Loz.			
146-C-200			1/8 Loz.			
93-B-7			2-1/8			
93-V-37			1-3/8			
93-R-7			1/2			
93-D-17			1-3/8			
67-T-50			1 Loz. for sagging.			
YIELD	1 1					

Standard Formula Not to be taken from File

GLD059420

COST	DATE	ANALYSIS		CUSTOMERS Y-1219-E
		PIGMENT	32.8 %	Japalac Enamel - Dawn Gray
		VEHICLE	67.2 %	10/25/56
			100.0%	
				"Y" Trade Sales Int 11-2-56
		PIGMENT		
		Titanium Calcium	71.0%	Ewald 2-16-57
		Titanium Dioxide	16.2	
		Calcium Carbonate	12.8	Drew 3-13-57
			100.0%	Drew 3-18-57
				Schultz 5-29-57
				Clark 6-12-57
		VEHICLE		
		Soya Alkyd Resin	52.6%	
		Mineral Spirits & Driers	47.4	
			100.0%	
		Y-1219	6501	

GLD059421

GLIDDEN-DURAN PRINTED IN U.S.A. FORM

FORMULA RECORD

COLOR: Capalac Enamel Dawn Gray

CONSISTENCY: Liquid

FORMULA NO. Y-1219-D

LABORATORY NO.

COST CLASS.

DATE 2-6-52

STRAINER

GRIND Mix

MILL

WT. OR BE 10-1/4

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
40-W-127-B	8					
93-B-7			2-1/8			
93-Y-37			1-3/8			
93-R-7			1/2			
93-D-17			1-3/8			
51-A721			1/8 Loz.			
YIELD						

Standard Formula Not to be taken from File.

Changed to improve exterior durability.

IS AGITATOR REQUIRED

VISC. F.B. 95-105" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN Gloss

NON VOL. FLASH PT.

MATCH FOR Y-1219 Part A

REDUCER S-43 if needed

WT. FOR BRUSHING FB

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-6 hrs.

A. D. TO RECOAT IN

REMARKS: Use 2 Ozs./gal. 67-T-50 to check sagging if needed.

FORMULATOR Southwick EGH

25-5-4

GLD059422

COST	DATE	ANALYSIS			CUSTOMERS
		PIGMENT	32.8	%	UCC Plants 2-8-52
		VEHICLE	67.2	%	Atlanta (2) 1-22-53
			100.0		Montreal & Small (Tex) 5-26-53
					Hungry Beets (S.A.) 7-14-53
					Alabama 7-16-53
		PIGMENT			
		Titanium Calcium	71.0	%	
		Titanium Dioxide	16.2	%	
		Calcium Carbonate	6.4	%	
		Carbonate of White Lead	6.4	%	
			100.0	%	
		Tinting material less than 5%			
		VEHICLE			
		Soya Alkyd Resin	52.6	%	
		Mineral Spirits	44.6	%	
		Liquid Drier	2.8	%	
			100.0	%	

GLD059423

CODE: Japalac-Enamel Dawn Gray

FORMULA RECORD

CONST: Liquid

FOR USE IN

CUSTOMER

FORMULA NO. Y-1219-C

LABORATORY NO.

COST CLASS.

DATE 11/12/51

STRAINER

GRIND 7-8

MILL

WT. OR SP. GR. 11.0#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
40-W-127	8					
93-B-7			2-1/8			
93-Y-37			1-3/8			
93-R-7			1/2			
93-D-17			1-3/8			
RL-8721			1/8	1oz.		
	Analysis Change.					
YIELD						

Standard Formula Not to be taken from File

Standard Formula Active

Discontinued

See

IS AGITATOR REQUIRED

VISC. FOR 110-120" TEMP.

VISC. RLD. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR Gray SHEEN Gloss

WG. VOL. FLASH PT. 100°

MATCH FOR Std. Y-1219

REDUCER S-43

AMT. FOR BRUSHING Only as needed

SPRAYING THINNER

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 6 hrs.

A. D. TO RECOAT IN Overnite

REMARKS:

FORMULATOR H G H

25-6-4

GLD059424

COST	BAR	ANALYSIS	CUSTOMERS
		PIGMENT 38.8 %	All Plants 12-4-51
		VEHICLE 61.2 %	
		100.0 %	
		PIGMENT	
		Lithopone 63.4%	
		Titanium Oxide 29.3	
	Basic	Carbonate White Lead 2.4	
		Calcium Carbonate 4.9	
		100.0 %	
	Tinting materials less than 5%.		
		VEHICLE	
		Varnish 94.2%	
		Mineral Spirits 2.8	
		Liquid Drier 3.0	
		100.0 %	
	% Non-Volatile (Alkyd Resin, P.E.		
	Ester Gum, Tung, Linseed Oil) 55.5%		
	Volatile (Mineral Spirits) 44.5		
		100.0 %	
		1511	

GLD059425

ABC-S 204-4-48 PRINTED IN U.S.A. AP

FORMULA RECORD

Goods: Japalac Enamel Dawn Gray

Consistency: Liquid

For use on:

Customer:

Formula No. Y-1219-B

Laboratory No.:

Cost Class:

Date: 3/29/49

Strainer:

Grind: 7-8

Mill:

Code Number	One Gallon Batch Pints	One Gallon Batch Lbs.	One Gallon Batch Ozs.	Large Batch Gals.	Large Batch Lbs.
60-W-127-E	8				
93-B-7			2-1/8		
93-Y-37			1-3/8		
93-R-7			1/2		
93-D-17			1-3/8		
Changed to increase hiding & Viscosity					
	Standard Formula				
Yield					

Is agitator required:

Wt. or Bell. Off: Temp.

Viscosity: 110-120" Temp.

Viscosimeter: #4 Cup

Color: Gray

Sheen: Gloss

Non Vol.:

Flash Pt.: 100°

Match for: Std-Y-1219

Reducer: S-43

Amt. for brushing: only as needed

Spraying:

Tumbling:

Dipping:

Drip time:

Bake:

Temp.:

Air dries in: 5 hrs

A. D. to recoat in: Overnite

Remarks:

Formulator: J. C. H.

GLD059426

Cost	Date	Analysis	Customers
		Pigment 38.8 %	
		Vehicle 61.2 %	
		100.0 %	
		Pigment	
		Lithopone	63.4 %
		Titanium Oxide	29.3
		Basic Carbonate White Lead	2.4
		Calcium Carbonate	4.9
			100.0 %
		With necessary tinting color added	
			All plants 4-8-49
		Vehicle	
	*	Varnish 92 %	
		Mineral Spirits 5	
		Liquid Drier 3	
		100.0%	
	*	Non-Volatile 51.5%	

GLD059427

180-D 50M 1-46 PRINTED IN U. S. A. (B)

FORMULA RECORD

Goods [illegible]
Consistency [illegible]
For Use on

Formula No. [illegible]
Date [illegible]
Laboratory No.
Cost Classification

Code Number	One Gallon Batch			Gallon Batch			Gallon Batch			Manufacturing Specifications
	Pints	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	
[illegible]										Grind [illegible]
75 [illegible]			[illegible]							Kind of Mill
23 [illegible] 37			[illegible]							Strainer
37 [illegible]			[illegible]							Weight per Gallon [illegible]
73 [illegible] 17			[illegible]							Light Baume Temp.
[illegible]										Heavy Baume Temp.
										Viscosity [illegible] Temp.
										Viscosimeter [illegible]
										Flash Point
										Is Agitator Required
										Remarks [illegible]
										[illegible]
										[illegible]
										[illegible]
										[illegible]
										[illegible]
Field										

DISCONTINUED
SEE J 1219 B
3/29/49

Standard Formula
Not to be taken
from File.

GLD059428

Characteristics and Method of Using		Cost Data				Customers
Type of Goods						
Color						
Luster						
Match for						All plants 6-19-47
Kind of Reducer						
Amount of Reduction for		Regular			36 %	
Brushing		Velocity			64	
Spraying	Pressure				100 %	
Dipping	Drip Time					
Flowing	Drip Time					
Tumbling						
Air dry to recoat						
To Sand or Rub						
Bake Time	Temp.					
Rub with						
Polish with						
Schedule						

Analysis

Regular
Nitrocellulose 37 %
Plasticizer 10
Resin 27
Solvent 100 %

Velocity
Nitrocellulose 31.7 % × Mod. Vol. 21.35 %
Resin Solids 5.3
Solvent Basis 3.0
100 %

GLD059429

#80 D 50M 2-44 PRINTED IN U.S.A. (B)

FORMULA RECORD

Goods Yellow Enamel Dacro Gray — Formula No. 41219

Consistency Liquid — Date 10-5-45 — Laboratory No. 0

For Use on — Cost Classification

Code Number	One Gallon Batch Pints	One Gallon Batch Lbs.	One Gallon Batch Ozs.	Gallon Batch Gals.	Gallon Batch Lbs.	Gallon Batch Ozs.	Gallon Batch Gals.	Gallon Batch Lbs.	Gallon Batch Ozs.	Manufacturing Specifications
NEW 1970	8									Grind Mex
										Kind of Mill
93-13-7			1 3/4							Strainer
92-4-37			1 1/8							Weight per Gallon 10.5#
97-8-7			1/2							Light Baume Temp.
										Heavy Baume Temp.
73-20-17			1 1/8							Viscosity 60-90" Temp.
										Viscosimeter #4 Cup
										Flash Point
										Is Agitator Required
										Remarks Magnesium
										Metal Finishes
										Chic. 94607
										1.48# Oz/Gal
Yield										J.P.W.

Standard Formula. Not to be taken from File.

GLD059430

Characteristics and Method of Using	Cost Data				Customers
Type of Goods					
Color					
Luster					
Match for					
Kind of Reducer					
Amount of Reduction for					
Brushing					all plants 10-16-45
Spraying Pressure					
Dipping Drip Time	Analysis				
Flooding Drip Time					
Tumbling					
Air dry to recoat					
To Sand or Rub					
Bake Time Temp.					
Rub with					
Polish with					
Schedule					

GLD059431

FORMULA RECORD

A 450 5m 6-25

Goods: Japalac French Gray Enamel (Egg Shell)

Formula: Y-1219

Consistency:

Date: 12-20-1920 Old No.

For Use on:

Classification:

1	5	½ Bbl	Bbl.	2 Bbl.	Code No.	Per cent	Manufacturing Specifications
20	Gal.	G.S.C. Oil			V-112		Grind
40	Gal.	Conco Mixing			V-221		Kind of Mill
10	Gal.	#2 Oil			V-202-A		Rate per hr.
30	"	Texaco			S-43		Strainer
5	"	Indian Coach			V-114		Analysis
300	lbs.	Std. Zinc			~~W-5~~ (W-33)		
300	"	Spl. Sunolith			W-77		
200	"	Basofor			W-8		
100	"	Calcite			W-63		
4 lbs. 11 ozs.		Black Tinter			Y-1606		
1 lb. 15 1/4 ozs.		Light Yellow Tinter			Y-1602		

GLD059432

Varnish	44.35%	44.3
Zinc Oxide (W-33)	18.45	55.7
Lithopone	29.75	
Calcium Carbonate	6.15	
Carbon	.84	
Lead Chromate	.46	
	100.00%	

Pigment 55.7%
Liquid 44.3
100.0%

Pigment

Zinc Oxide	33.2
Lithopone	53.4
Calcium Carbonate	11.1
Lead Chromate	1.5
Carbon Black	.8
	100.0%

Liquid:
Varnish 100.0%

Round cans 1s, 1/2s, 1/4s, 1/8s, 1/16s, 1/32s.

"Japalac" Label.

GLD059433

9/25/21

Y-1219-A
(Eggshell Jap-a-Lac French Gray)

Y-945-~~B~~ G	8 Pints
87-B-7	Trace
87-Y-1	Trace

Weight per gallon - 12#

Analysis:

Pigment	53%
Vehicle	47%
	100%

Pigment Analysis:

Titanolith	61%
Lithopone	30%
Magnesium Silicate	6%
Tinting Colors	1%
	100%

Vehicle Analysis:

Varnish	71%
Flowing Oil	15%
Mineral Spirits	14%
	100%

"Jap-a-Lac" Label
Round Cans - 1's - 1/2's - 1/4's - 1/8's - 1/16's
1/32's.

Not Continued

GLD059434