

FORMULAE OF SPECIFIED PAINTS AND VARNISHES
Produced by Three Manufacturers in Chicago, January 1941 - June 1942

MANUFACTURER 'A'

Outside White House Paint (1334)

Percentage Formula		Working or Vat Formula	
January to December 1941		January to September 1941	
	Percent		Gals. Lbs.
<u>ment</u>	67	Cobalt Blue	1
		Titanium Dioxide Low Oil	350
Lead Carbonate	34	Asbestine	850
Titanium Barium	28	Titanox B	2850
Titanium Magnesium	11	Low Zinc Oxide #55	3900
Zinc Oxide	27	Mechanically Ref. Lin	332
	100	Mechanically Ref. Soya Bean	100
		<u>Pebble Mill</u>	
<u>icle</u>	33	80% Lead Paste	2470
Refined Linseed Oil	90	Mechanically Ref. Soya Bean	22.8
Japan Drier	10	Cobalt Drier	11.4 80
	100	Mineral Spirits	21.4 139
	100		

October 1941 to December 1942

	Gals.	Lbs.
Cobalt Blue		1
Titanium Dioxide		350
Asbestine		400
Silica		200
Dicalite L. Grade		250
Titanox B		2850
Low Zinc Oxide #55		3900
Mechanically Ref. Linseed	432	3343
Blown Linseed oil	30	240
#500 Oil	31	248
<u>Pebble Mill</u>		
80% Lead Paste	150.3	2470
Mechanically ref. Linseed	22.8	177
Cobalt Drier	11.4	80
Japan Drier	13.6	95
Mineral Spirits	21.4	139
Bodifying Oil	4.5	34

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REPRODUCTION TAB

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FORMULAE OF SPECIFIED PAINTS AND VARNISHES
Produced by Three Manufacturers in Chicago, January 1941 - June 1942

MANUFACTURER 'A'Outside White House Paint (1334) (cont'd)

<u>Percentage Formula</u>		<u>Working or Vat Formula</u>	
<u>January 1942 to June 1942</u>		<u>January 1942 to February 1942</u>	
	<u>Percent</u>		<u>Gals. Lbs.</u>
Paint	68	Cobalt Blue	1
Zinc Oxide	26	35% Lead Zinc	3120
Leaded Zinc	2	Leaded Zinc Oxide	185
Titanox "B"	26	Titanox B	2850
Barium Carbonate	37	Asbestine	850
Silicate	9	Mechanically Ref. Linseed	395 3061
	100	Blown Linseed Oil	30
		#500 Oil	30
Paint	32	<u>Pebble Mill</u>	
Blended Linseed Oil	94	80% Lead Paste	4634
Japan Drier	3	Mechanically Ref. Linseed	33.3 258
Mineral Spirits	3	Cobalt Drier	11.43 30
	100	Japan Drier	13.57 95
		Mineral Spirits	21.38 139
	100	Bodying Oil	4.5
		<u>March to June 1942</u>	
			<u>Gals. Lbs.</u>
		Cobalt Blue	1
		Low Zinc Oxide	2800
		Leaded Zinc Oxide	185
		Titanox B	2850
		Asbestine	850
		Mechanically Ref. Linseed	335.6 2988
		Blown Linseed Oil	30 240
		#500 Oil	30 240
		<u>Pebble Mill</u>	
		80% Lead Paste	5019
		Mechanically Ref. Linseed	258
		Cobalt Driver	80
		Japan Drier	95
		Mineral Spirits	139
		Bodying Oil	4.5 32

Manufacturer stated: "On the percentage formula, we only change this about once a year because our labels are printed up in large quantities and the minor changes do not affect the physical formula a great deal."

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REPRODUCTION TAB

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FORMULAE OF SPECIFIED PAINTS AND VARNISHES
Produced by Three Manufacturers in Chicago, January 1941 - June 1942

MANUFACTURER 'A'Inside Flat White Paint (146)

<u>Percentage Formula</u>		<u>Working or Vat Formula</u>	
<u>January 1941 to December 1941</u>		<u>January 1941 to September 1941</u>	
	<u>Percent</u>		<u>Gals. Lbs.</u>
	57	Fllo Celite	38
Titanium Dioxide	23	Thinned China Wood Oil	7.97
Titanium Calcium	5	Mineral Spirits	3.42
Calcium Carbonate	51		
Stearic Acid	5	<u>Stone Mill</u>	
Mica	6	Titanium Dioxide Pure High Oil	210
	100 1/	Surfex	427
		Micatone B	38
	43	Alkyd Resin Sol. Grd 176	36.75
Mineral Spirits	65	Thinned China Wood Oil	2.46
	35	Mineral Spirits	6.2
	100	<u>A Grind Pebble Mill</u>	
	100	Mineral Spirits	13
		Lead Drier	.35
		Cobalt Drier	.10
		<u>October 1941 to December 1941</u>	
	2/		<u>Gals. Lbs.</u>
		Fllo Celite	325
		Surfex	3650
		Titanium Dioxide High Oil	1800
		Micatone B	325
		Thinned Oil	103
		Alkyd Resin Sol. Grd 360	181.35
		Mineral Spirits	104.5
		Flat Wall Liquid	181.35
		<u>Pebble Mill</u>	
		Solvesso #2	40.35
		Lead Drier	2
		Cobalt Drier	1
		Bodying Oil	6

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REPRODUCTION TAB

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FORMULAE OF SPECIFIED PAINTS AND VARNISHES
Produced by Three Manufacturers in Chicago, January 1941 - June 1942

MANUFACTURER 'A'Inside Flat White Paint (1/6) (cont'd)

<u>Percentage Formula</u>		<u>Working or Vat Formula</u>	
<u>January 1942 to June 1942</u>		<u>January 1942 to February 1942</u>	
	<u>Percent</u>		<u>Gals. Lbs.</u>
	60	#110 Celite	325
		Surfex	3650
tium Dioxide	30	Titanium Dioxide Pure High Oil	1800
x	60	#19 Alsibronze	325
	5	Blown Dehydrated Castor Oil Mix	
a	<u>5</u>		156
	100	1 to 1 Fish Oil Mix	89
		Ester Gum Varnish	116
	40	Mineral Spirits	198
Resin Varnish	61	<u>Pebble Mill</u>	
Varnish	16	Solvesso #2	13.8
l Spirits	22	Lead Drier	2
Drier	<u>1</u>	Cobalt Drier	2
	100	Dipentine	5.5
	<u>100</u>		

March 1942 to May 1942

2/

	<u>Gals.</u>	<u>Lbs.</u>
#19 Alsibronze (mica)		425
#110 Celite		425
Titanium Dioxide Pure High Oil		1800
Surfex		3450
Cotton Oil Blend	324	2367
Cobalt Drier	2.5	
Solvesso #2	12	
Spl. #3 Th. Solvent	29	

Pebble Mill

0.4S Oil	120
Mineral Spirits	102
Dipentine	5.5
Lead Drier	2.5

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REPRODUCTION TAB

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FORMULAE OF SPECIFIED PAINTS AND VARNISHES
 produced by Three Manufacturers in Chicago, January 1941 - June 1942

MANUFACTURER 'A'Inside Flat White Paint (146) (cont'd)

<u>Percentage Formula</u>	<u>Working or Vat Formula</u>		
			<u>June 1942</u>
		<u>Gals.</u>	<u>Lbs.</u>
#110 Celite			325
Micatone B			325
Titanium Dioxide Pure High Oil			1806
Surfex			3657
Thinned Varnish	103	717	
Alkyd Resin Sol. GW 176	362.7	2756.5	
Mineral Spirits	104.5	679.3	

Pebble Mill

Solvesso #2	40.85	292.1
Lead Drier	3.78	31.8
Cobalt Drier	1.88	14.1

by manufacturer.

Manufacturer stated: "On the percentage formula, we only change this about once
 because our labels are printed up in large quantities and the minor changes
 at the physical formula a great deal."

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REPRODUCTION TAB

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FORMULAE OF SPECIFIED PAINTS AND VARNISHES
Produced by Three Manufacturers in Chicago, January 1941 - June 1942

MANUFACTURER 'B' 1/Outside White House Paint (M.P.O.W.)

Percentage Formula : Working or Vat Formula

January 1941 to June 1942 2/January 1941 to June 1942

	<u>Percent</u>		<u>Gals.</u>	<u>Lbs.</u>
<u>ent</u>	60.1	Standard Zinc		300
		Sublimed White Lead		350
		Titanium Oxide		30
<u>le</u>	39.2	Asbestine		100
	100.0	Barytes		170
		Ultramarine Blue	3 av. oz.	
		Bleached Linseed Oil	70	
		Oleum Spirits	5	
		Intense Drier	4	
		Solution	2	

Inside Flat White Paint (#468)

Percentage Formula : Working or Vat Formula

January 1941 to June 1942 2/January 1941 to June 1942

	<u>Percent</u>		<u>Gals.</u>	<u>Lbs.</u>
<u>ent</u>	61.3	Lithophone		600
		Surfex		200
		Asbestine		150
<u>le</u>	38.7	Aluminum Stearate		3
	100.0	Hydroquinone	2 av. oz.	
		Heavy Grinding Oil	4	
		Bleached Linseed Oil	13	
		Flat Paint Grinding Varnish	14	
		Oleum Spirits	40	
		Soligen Lead Drier	4	
		Cobalt Drier	2	
		Bodying Varnish	1/2	

Manufacturer 'B' states that there were no changes in his formulae for the products
and from January 1941 to June 1942, except those shown for enamel.

Adapted from working formula.

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FORMULAE OF SPECIFIED PAINTS AND VARNISHES
Produced by Three Manufacturers in Chicago, January 1941 - June 1942

MANUFACTURER 'C'Interior Gloss (Enamel)

<u>Percentage Formula</u>		<u>Percentage Formula</u>	
<u>November 1940 to November 1941</u>		<u>December 1941 to June 1942</u>	
	<u>Percent</u>		<u>Percent</u>
<u>Pigment</u>	50.5	<u>Pigment</u>	55.3
Lithopone	79.8	Titanium Dioxide	9.11
Titanium Dioxide	20.2	Lithopone	90.89
	100.0		100.00
<u>Vehicle</u>	49.5	<u>Vehicle</u>	44.7
Varnish and Oils	70.8	Varnish and Oils	71
Thinner and Drier	29.2	Thinner and Drier	29
	100.0		100
	100.0		100.0

Red Lead PaintPercentage FormulaDecember 1940 to June 1942

	<u>Percent</u>
<u>Pigment</u>	69.1
Red Lead	38.4
Silica	30.8
Asbestine	30.8
	100.0
<u>Vehicle</u>	30.9
Boiled Oil	66.9
Raw Linseed Oil	26.7
Drier	6.4
	100.0
	100.0

OPA 000564