

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          |
| Lead Carbonate           | 34      | Titanium Dioxide Low Oil    | 350        |
| Titanium Barium          | 28      | Asbestine                   | 850        |
| Titanium Magnesium       | 11      | Titanox B                   | 2850       |
| Zinc Oxide               | 27      | Low Zinc Oxide #55          | 3900       |
|                          | 100     | Mechanically Ref. Lin       | 332        |
|                          |         | 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  |
| Bodying Oil               | 4.5   | 34   |

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Produced by Three Manufacturers in Chicago, January 1941 - June 1942

MANUFACTURER 'A'

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

The 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)

| Percentage Formula            |         | Working or Vat Formula         |            |
|-------------------------------|---------|--------------------------------|------------|
| January 1941 to December 1941 |         | January 1941 to September 1941 |            |
|                               | Percent |                                | Gals. Lbs. |
|                               | 57      | #110 Celite                    | 38         |
| Titanium Dioxide              | 23      | Thinned China Wood Oil         | 7.97       |
| Titanium Calcium              | 5       | Mineral Spirits                | 3.42       |
| Calcium Carbonate             | 51      |                                |            |
|                               | 5       | Stone Mill                     |            |
|                               | 5       | Titanium Dioxide Pure High Oil | 210        |
| Mica                          | 6       | Surfex                         | 427        |
|                               | 100 1/  | Micatone B                     | 38         |
|                               |         | Alkyd Resin Sol. G.W. 176      | 36.75      |
|                               |         | Thinned China Wood Oil         | 2.46       |
| Varnish                       | 65      | Mineral Spirits                | 6.2        |
| Mineral Spirits               | 35      |                                |            |
|                               | 100     | A Grind Pebble Mill            |            |
|                               |         | Mineral Spirits                | 13         |
|                               | 100     | Lead Drier                     | .35        |
|                               |         | Cobalt Drier                   | .10        |
|                               |         |                                |            |
|                               |         | October 1941 to December 1941  |            |
| 2/                            |         |                                | Gals. Lbs. |
|                               |         | #110 Celite                    | 325        |
|                               |         | Surfex                         | 3650       |
|                               |         | Titanium Dioxide High Oil      | 1800       |
|                               |         | Micatone B                     | 325        |
|                               |         | Thinned Oil                    | 103        |
|                               |         | Alkyd Resin Sol. G.W. 360      | 181.35     |
|                               |         | Mineral Spirits                | 104.5      |
|                               |         | Flat Wall Liquid               | 181.35     |
|                               |         | Pebble Mill                    |            |
|                               |         | Solvesso #2                    | 40.35      |
|                               |         | Lead Drier                     | 2          |
|                               |         | Cobalt Drier                   | 1          |
|                               |         | Bodifying 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 (146) (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              |
| ium 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            | Dipentene                            | 5.5               |
|                                  | <u>100</u>     |                                      |                   |

March 1942 to May 1942

|                                | <u>Gals.</u> | <u>Lbs.</u> |
|--------------------------------|--------------|-------------|
| 2/                             |              |             |
| #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 Lin. Solvent           | 29           |             |
| <u>Pebble Mill</u>             |              |             |
| 0.45 Oil                       | 120          |             |
| Mineral Spirits                | 102          |             |
| Dipentene                      | 5.5          |             |
| Lead Drier                     | 2.5          |             |

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Produced by Three Manufacturers in Chicago, January 1941 - June 1942

MANUFACTURED BY

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

### Percentage Formula

### Working or Vat Formula

June 1942

| Gals. | Lbs. |
|-------|------|
| 1     | 10   |
| 2     | 20   |
| 3     | 30   |
| 4     | 40   |
| 5     | 50   |
| 6     | 60   |
| 7     | 70   |
| 8     | 80   |
| 9     | 90   |
| 10    | 100  |
| 11    | 110  |
| 12    | 120  |
| 13    | 130  |
| 14    | 140  |
| 15    | 150  |
| 16    | 160  |
| 17    | 170  |
| 18    | 180  |
| 19    | 190  |
| 20    | 200  |
| 21    | 210  |
| 22    | 220  |
| 23    | 230  |
| 24    | 240  |
| 25    | 250  |
| 26    | 260  |
| 27    | 270  |
| 28    | 280  |
| 29    | 290  |
| 30    | 300  |
| 31    | 310  |
| 32    | 320  |
| 33    | 330  |
| 34    | 340  |
| 35    | 350  |
| 36    | 360  |
| 37    | 370  |
| 38    | 380  |
| 39    | 390  |
| 40    | 400  |
| 41    | 410  |
| 42    | 420  |
| 43    | 430  |
| 44    | 440  |
| 45    | 450  |
| 46    | 460  |
| 47    | 470  |
| 48    | 480  |
| 49    | 490  |
| 50    | 500  |
| 51    | 510  |
| 52    | 520  |
| 53    | 530  |
| 54    | 540  |
| 55    | 550  |
| 56    | 560  |
| 57    | 570  |
| 58    | 580  |
| 59    | 590  |
| 60    | 600  |
| 61    | 610  |
| 62    | 620  |
| 63    | 630  |
| 64    | 640  |
| 65    | 650  |
| 66    | 660  |
| 67    | 670  |
| 68    | 680  |
| 69    | 690  |
| 70    | 700  |
| 71    | 710  |
| 72    | 720  |
| 73    | 730  |
| 74    | 740  |
| 75    | 750  |
| 76    | 760  |
| 77    | 770  |
| 78    | 780  |
| 79    | 790  |
| 80    | 800  |
| 81    | 810  |
| 82    | 820  |
| 83    | 830  |
| 84    | 840  |
| 85    | 850  |
| 86    | 860  |
| 87    | 870  |
| 88    | 880  |
| 89    | 890  |
| 90    | 900  |
| 91    | 910  |
| 92    | 920  |
| 93    | 930  |
| 94    | 940  |
| 95    | 950  |
| 96    | 960  |
| 97    | 970  |
| 98    | 980  |
| 99    | 990  |
| 100   | 1000 |

|                                |       |        |
|--------------------------------|-------|--------|
| $\pi$ 110 Celite               |       | 325    |
| Dicatone B                     |       | 325    |
| Titanium Dioxide Pure High Oil |       | 1806   |
| Surfex                         |       | 3657   |
| Thinned Varnish                | 103   | 717    |
| Alkyd Resin Sol. GRW 176       | 362.7 | 2756.5 |
| Mineral Spirits                | 104.5 | 679.3  |

Pebble Mill

|              |       |       |
|--------------|-------|-------|
| Solvesso #2  | 40.35 | 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 a year because our labels are printed up in large quantities and the minor changes don't affect the physical formula a great deal."

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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.F.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> |
|-----|----------------|----------------------|--------------|-------------|
| ent | 60.1           | Standard Zinc        |              | 300         |
|     |                | Sublimed White Lead  |              | 350         |
|     |                | Titanium Oxide       |              | 30          |
| le  | 39.9           | 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> |
|-----|----------------|-----------------------------|--------------|-------------|
| ent | 61.3           | Lithophone                  |              | 600         |
|     |                | Surfex                      |              | 200         |
|     |                | Asbestine                   |              | 150         |
| le  | 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.

Noted 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                      | <u>20.2</u>    | Lithopone                         | <u>90.89</u>   |
|                                       | 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                     | <u>29.2</u>    | Thinner and Drier                 | <u>29</u>      |
|                                       | 100.0          |                                   | 100            |
|                                       | <u>100.0</u>   |                                   | <u>100.0</u>   |

Red Lead PaintPercentage FormulaDecember 1940 to June 1942

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

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