



# FORMULATION

## Water-Based Acrylic Modified Alkyd Primer using HALOX® Z-PLEX 750

### GRIND

|                           | <u>LBS.</u> | <u>GALS.</u> |
|---------------------------|-------------|--------------|
| Resydrol AY 466w/38WA [1] | 348.51      | 40.54        |
| Ammonia Hydroxide (28%)   | 1.59        | 0.21         |
| Additol VXW 6206 [1]      | 6.17        | 0.68         |
| Water                     | 36.12       | 4.33         |
| Additol XL 250 [1]        | 8.17        | 1.08         |
| Additol VXW 6208 Ti- [1]  | 15.00       | 1.71         |
| Pure R-960 [2]            | 121.88      | 3.74         |
| Bayferrox 318M [3]        | 2.49        | 0.06         |
| HALOX® Z-PLEX 750 [4]     | 57.78       | 2.32         |
| Minex 7 [5]               | 151.65      | 6.96         |
| Nytral 300 Attagel 50 [6] | 43.31       | 1.82         |
|                           | 7.57        | 0.38         |

*High speed disperse to a 5+ NS Hegman grind.*

### LETDOWN

|                           |        |       |
|---------------------------|--------|-------|
| Resydrol AY 466w/38WA [1] | 269.95 | 31.40 |
| Water                     | 41.52  | 4.98  |
| Troymax Antiskin B [8]    | 1.79   | 0.23  |
| Arcosolv PM Solvent [9]   | 3.09   | 0.40  |
| Arcosolv DPM [9]          | 3.09   | 0.39  |

*Adjust to desired viscosity with water.*

**TOTAL**

1,119.68

101.25

### FORMULA CONSTANTS

|                    |         |
|--------------------|---------|
| Density (lb./gal.) | 11.06   |
| Density (g/L)      | 1325.31 |
| % Pigment/Wt.      | 33.68   |
| % Pigment/Vol.     | 14.73   |
| % Solids/Wt.       | 56.78   |
| % Solids/Vol.      | 41.95   |
| % PVC              | 36.92   |
| VOC (lb./gal.)     | 1.04    |
| VOC (g/L)          | 124.93  |

### FORMULA PROPERTIES

|                                |         |
|--------------------------------|---------|
| pH @ 25°C                      | 8.5-9.0 |
| Viscosity-Stormer KU @ 25°C    | 80-90   |
| Viscosity - ICI (Poise) @ 25°C | 0.5     |

### SUPPLIER KEY

- [1] CYTEC
- [2] DuPont Chemicals
- [3] Bayer Corporation
- [4] HALOX®
- [5] Unimin Corporation
- [6] R.T. Vanderbilt Company, Inc.
- [7] Engelhard Corporation
- [8] Troy Corporation
- [9] Lyondell Chemical Company

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1326 Summer Street, Hammond, Indiana 46319 USA  
P: 219.933.1560 E: techservice@halox.com  
www.halox.com

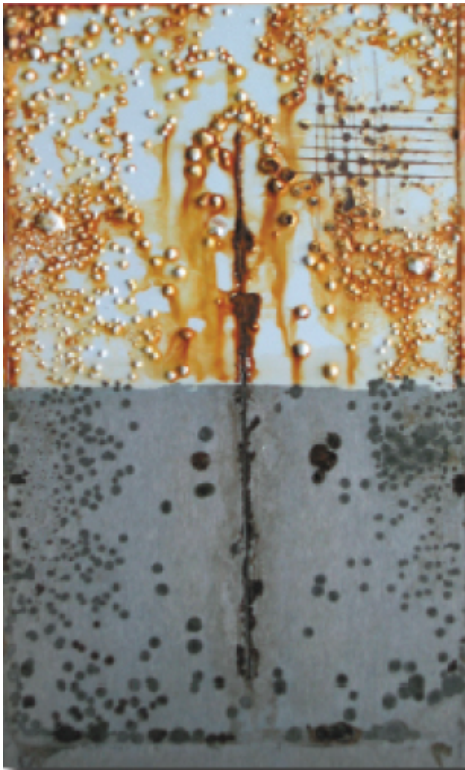
**RESY466/HLX ZPLX 750**

**2015-04-28**



# **Water Reducible Acrylic Modified Alkyd Primer using HALOX® Z-PLEX 750**

Salt Spray - 400 Hrs. - Bonderite 1000 - 2.5 mils (62.5 microns) - % T.F.W.



5% Zinc Phosphate



5% HALOX® Z-PLEX 750



5% Zinc Phosphosilicate