



# Formulation

## 2K Wash Primer based on Butvar B-90 using HALOX SZP-391JM and HALOX 550

	<u>% Wt</u>	<u>Class</u>
<b>COMPONENT A:</b>		
<i>Premix the following, then add to above under agitation.</i>		
Isopropanol	[1] 10.59	Solvent
n-Butyl Alcohol	[2] 7.06	Solvent
BUTVAR B-90	[3] 3.65	Resin
Disperbyk	[4] 0.30	Dispersant
Dowanol PM Glycol Ether	[5] 5.30	Solvent
Micro Talc IT Extra	[6] 3.39	Talc
HALOX SZP-391 JM	4.96	Inhibitor
Zeeospheres 200	[7] 0.91	Pigment
Aerosil R972	[8] 0.04	Thickener
Bayferrox 318M	[9] 0.05	Pigment
<i>High speed disperse to 6+ NS Hegman grind.</i>		
EPON 1007-CT-55	[10] 3.32	Resin
EPON 1001-B-80	[10] 2.28	Resin
HALOX 550	[11] 1.51	Inhibitor
MPK	7.06	Solvent
Dowanol PM Glycol Ether	[5] 5.30	Solvent
<b>COMPONENT B:</b>		
Isopropanol	[1] 15.66	Solvent
De-Ionized Water	0.80	
75% Phosphoric Acid	2.89	Additive
MEK	[12] 24.93	Solvent
<b>TOTAL</b>	<u>100.00</u>	

### Formula Constants

Density (g/L)	913.62
Weight Pigment (%)	9.31
Volume Pigment (%)	2.82
Weight Solids (%)	19.82
Volume Solids (%)	10.54
PVC (%)	32.71
VOC (g/L)	722.92

### Formula Properties

Viscosity Part A- Stormer @ 25°C	73 - 85 KU
Mix Ratio part A:B by Volume	1 - 1

### Supplier Key

- [1] Eastmann Chemical Company
- [2] Eastman Chemical Company
- [3] SOLUTIA
- [4] Byk - Chemie USA Inc.
- [5] The Dow Chemical Company
- [6] Mondo Minerals
- [7] Zeelan Industries, Inc.
- [8] Degussa Corporation
- [9] Bayer Corporation
- [10] HEXION SPECIALTY CHEMICALS
- [11] HALOX
- [12] Unocal Corporation

*The information contained herein is correct to the best of our knowledge, but is intended only as a source of information. The recommendations or suggestions herein are made without guarantee of representation as to results, and we suggest that you evaluate the recommendations contained in this formulation in your own laboratory prior to use.*

**B90 SZP-391 JM/ 550-II**

# 2K Wash Primer Based on Butvar B-90 using SZP-391JM and HALOX 550

## High Gloss 2K Polyurethane DTM

Substrate: Cold Rolled Steel- 576 hours Salt Spray Testing

Wash Primer DFT: 0.60 mils (15  $\mu\text{m}$ ); Topcoat DFT: 2.0 mils (50  $\mu\text{m}$ )  
% on tfw



**Topcoat Only**



**Zinc Chromate @ 7%**



**HALOX SZP-391 JM @ 5%  
HALOX 550 @ 1.5%**

# 2K Wash Primer Based on Butvar B-90 using SZP-391JM and HALOX 550

Medium Oil Alkyd Topcoat

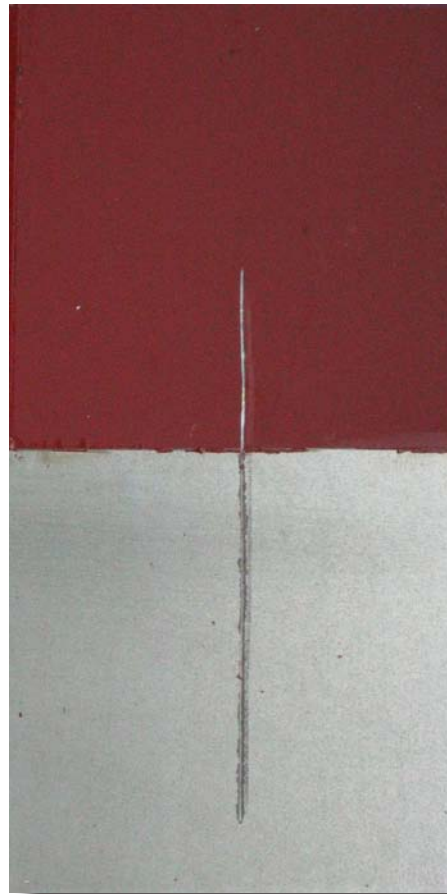
Substrate: Hot Dip Galvanized G70 70U - 500 hours Salt Spray Testing

Wash Primer DFT: 0.60 mils (15  $\mu\text{m}$ ); Topcoat DFT: 2.0 mils (50  $\mu\text{m}$ )

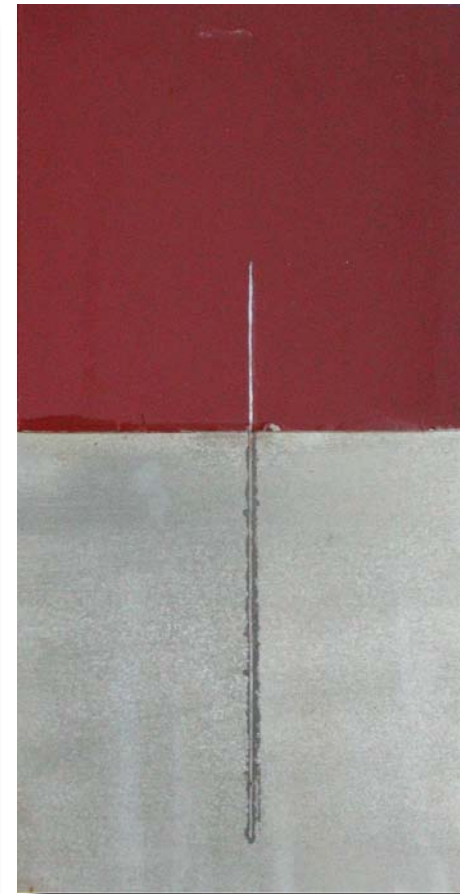
% on tfw



**Topcoat Only**



**Zinc Chromate @ 7%**



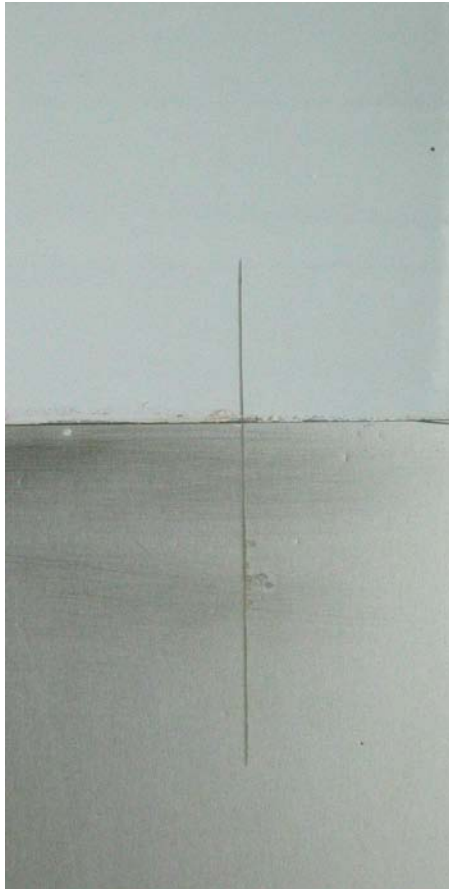
**HALOX SZP-391 JM @ 5%  
HALOX 550 @ 1.5%**

# 2K Wash Primer Based on Butvar B-90 usig SZP-391JM and HALOX 550

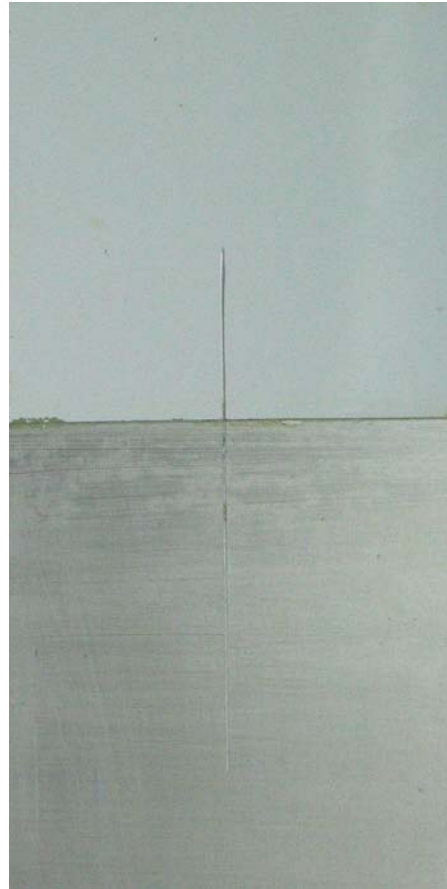
## High Gloss 2K Polyurethane DTM

Substrate: Aluminum 3003 H14- 620 hours Salt Spray Testing

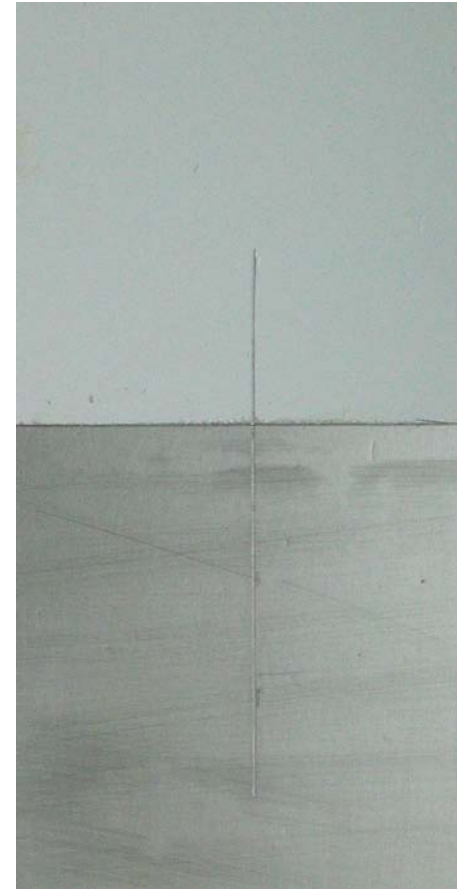
Wash Primer DFT: 0.60 mils (15  $\mu\text{m}$ ); Topcoat DFT: 2.0 mils (50  $\mu\text{m}$ )  
% on tfw



**Topcoat Only**



**Zinc Chromate @ 7%**



**HALOX SZP-391 JM @ 5%  
HALOX 550 @ 1.5%**