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

**Formula Constants**

- **Density (lb/gal)**: 7.62
- **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 (lb/gal)**: 722.92
- **VOC (g/L)**: 6.03

**Formula Properties**

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

**Supplier Key**

1. Eastman 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.

**COMPONENT A:**

<table>
<thead>
<tr>
<th>LBS</th>
<th>GALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol [1]</td>
<td>80.76</td>
</tr>
<tr>
<td>n-Butyl Alcohol [2]</td>
<td>53.84</td>
</tr>
<tr>
<td>BUTVAR B-90 [3]</td>
<td>27.81</td>
</tr>
<tr>
<td>Disperbyk [4]</td>
<td>2.29</td>
</tr>
<tr>
<td>Dowanol PM Glycol Ether [5]</td>
<td>40.38</td>
</tr>
<tr>
<td>Micro Talc IT Extra [6]</td>
<td>25.87</td>
</tr>
<tr>
<td>HALOX SZP-391 JM</td>
<td>37.81</td>
</tr>
<tr>
<td>Zeesospheres 200 [7]</td>
<td>6.95</td>
</tr>
<tr>
<td>Aerosil R972 [8]</td>
<td>0.28</td>
</tr>
<tr>
<td>Bayferrox 318M [9]</td>
<td>0.38</td>
</tr>
</tbody>
</table>

High speed disperse to 6+ NS Hegman grind.

**COMPONENT B:**

<table>
<thead>
<tr>
<th>LBS</th>
<th>GALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol [1]</td>
<td>119.39</td>
</tr>
<tr>
<td>De-Ionized Water</td>
<td>6.12</td>
</tr>
<tr>
<td>75% Phosphoric Acid</td>
<td>22.04</td>
</tr>
<tr>
<td>MEK [12]</td>
<td>190.03</td>
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</table>

**TOTAL**

<table>
<thead>
<tr>
<th>LBS</th>
<th>GALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>762.37</td>
<td>100.00</td>
</tr>
</tbody>
</table>

**COMPONENT A:**

Premix the following, then add to above under agitation.

- Isopropanol
- n-Butyl Alcohol
- BUTVAR B-90
- Disperbyk
- Dowanol PM Glycol Ether
- Micro Talc IT Extra
- HALOX SZP-391 JM
- Zeesospheres 200
- Aerosil R972
- Bayferrox 318M

**COMPONENT B:**

- Isopropanol
- De-Ionized Water
- 75% Phosphoric Acid
- MEK
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 µm); Topcoat DFT: 2.0 mils (50 µm)
% 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 µm); Topcoat DFT: 2.0 mils (50 µm)
\% 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
High Gloss 2K Polyurethane DTM
Substrate: Aluminum 3003 H14- 620 hours Salt Spray Testing
Wash Primer DFT: 0.60 mils (15 µm); Topcoat DFT: 2.0 mils (50 µm)
% on tfw

Topcoat Only

Zinc Chromate @ 7%

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