PRODUCT DESCRIPTION

NOVA-PLATE UHS is an ultra high solids epoxy novolac amine engineered specifically for immersion service in ballast tanks, oil tanks, refined fuel storage tanks, and for well deck overheads. The high build, edge retentive properties of Nova-Plate UHS provide superior protection compared to conventional epoxies.

INTENDED USES

- For use over prepared steel or concrete surfaces in industrial and marine exposures
- Ballast tank interiors, oil storage tank interiors, refined fuel storage tanks and pipe
- Acceptable for use under thermal insulation
- CHT tanks and containment areas

PRODUCT DATA

**SURFACE PREPARATION**

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

*Minimum recommended surface preparation:*


Immersion: SSPC-SP10/NACE 2, 2-3 mil (50-75 micron) profile or SSPC- SP12/NACE No. 5, WJ-2/NV-2

Concrete & Masonry: Atmospheric: SSPC-SP13/NACE 6, or ICRI No. 310.2R CSP 2-3

Immersion: SSPC-SP13/NACE 6-4.3.1 or 4.3.2, or ICRI No. 310.2R CSP 2-3
**APPLICATION**

<table>
<thead>
<tr>
<th>Method</th>
<th>Unit</th>
<th>Pressure</th>
<th>Hose ID</th>
<th>Tip Size</th>
<th>Filter Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airless Spray</td>
<td>68:1 pump, minimum</td>
<td>6000 psi minimum (413 bar)</td>
<td>3/8&quot; ID (9.5 mm)</td>
<td>0.019&quot;-.021&quot; (0.48-0.53 mm)</td>
<td>30 mesh</td>
</tr>
<tr>
<td>Plural Component</td>
<td>WIWA Model 333 or equal</td>
<td>4000 psi minimum (275 bar)</td>
<td>3/8&quot; ID (9.5 mm)</td>
<td>0.017&quot;-.019&quot; (0.43-0.48 mm)</td>
<td></td>
</tr>
<tr>
<td>Brush</td>
<td>For stripe coating and repair only</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roller</td>
<td>For stripe coating and repair only</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In order to avoid blockage of airless spray equipment and hose, flush equipment at least once every hour and before periods of extended downtime with M.E.K. or Reducer #104.

If specific application equipment is not listed above, equivalent equipment may be substituted.

**RECOMMENDED SYSTEMS**

<table>
<thead>
<tr>
<th>Material</th>
<th>Dry Film Thickness / ct.</th>
<th>Mils</th>
<th>Microns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel, Immersion</td>
<td>2 Cts.</td>
<td>Nova-Plate UHS</td>
<td>10.0-12.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Steel, Immersion</td>
<td>15.0-35.0</td>
</tr>
</tbody>
</table>

The systems listed above are representative of the product's use, other systems may be appropriate.

**WARRANTY**

The Sherwin-Williams Company warrants its products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

**APPLICATION CONDITIONS**

- **Temperature (air & surface):** 50°F (10°C) minimum, 110°F (43°C) maximum
- **Material should be:** 77°F (25°C) to 100°F (38°C) for optimal performance
- **Relative humidity:** 85% maximum

**APPROVALS**

- Meets MIL-PRF-23236, Type VII, Class 5, 7, 13 and 19, Grade C

**ADDITIONAL NOTES**

- Do not mix previously catalyzed material with new.
- Blue OAP contains fluorescent pigment.
- Guidance on techniques and required equipment to inspect a coating system incorporating Opti-Check OAP Technology can be found in SSPC-TU 11.
- May be applied up to 50.0-60.0 mils (1250-1500 microns) dft in one coat if required.

**HEALTH AND SAFETY**

Refer to the SDS sheet before use. Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

**DISCLAIMER**

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Sheet.