NOVA-PLATE 360 is a next generation, high performance, PTFE, inert flake reinforced, novolac tank lining which can be applied by single leg airless or plural component airless application with return to service times in as little as 24 hours. It meets the requirements of the API 652 guideline as a thick film reinforced lining, in immersion service temperatures up to 275°F (135°C). It has excellent abrasion resistance and it incorporates Optical Activated Pigment (OAP) technology to improve the accuracy and productivity of holiday detection.

INTENDED USES

Process vessels, operating at higher temperatures and pressures, for crude oil and produced water service. Suitable as a lining for bulk storage tanks for petrochemicals, bio-fuels (offering superior resistance to alcohols, including methanol and biodiesel) and a wide range of chemicals. The high chemical resistance combined with flexibility makes this lining suitable for applications in Water and Waste Water, Mining, Offshore, Power, and Chemical Processing. Nova-Plate 360 can also be used for pipeline internals and externals.

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:**

Iron & Steel: Immersion: SSPC-SP10/NACE 2, angular 3.0-4.0 mil (75-100 micron) profile
**APPLICATION**

**Airless Spray**
- Pump: 45:1 or greater
- Pressure: 3,600-4,000 psi (248-276 bar)
- Hose: 3/8" ID (9.5 mm)
- Tip: 0.017"-.023" (0.43-0.58 mm)
- Filter: 60 mesh

**Plural Component Equipment**
- Pump: 50:1 or greater
- Pump Ratio: 2:1
- Fluid Hose: 3/8"-A (9.5 mm), 1/4"-B (6.4 mm), 3/8" integrated (9.5 mm)
- Tip Orifice: 0.017"-.023" (0.43-0.58 mm)
- Pump Heater Setting: 80°F-110°F (27°C-43°C)
- Material Temperature: 80°F (27°C)
- Filter Screen: 60 mesh

**Brush**
- For stripe coating and repair only

**Roller**
- Nylon/Polyester or Natural Bristle
- For stripe coating and repair only

**Options:**
- Siphon feed is acceptable for material delivery.
- Minimal mils can be applied to pitted areas via brush, roll, or squeegee to force air out of the pit. Another coat can immediately be spray applied over to achieve specified mil thickness.
- Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine two parts by volume of Part B with one part by volume of Part A. Thoroughly agitate the mixture with power agitation.

**ADDITIONAL NOTES**

Excessive film thickness should be avoided when used in high temperature or high pressure applications.

**Repair of Pitted Tank Bottoms**

**Extensive, deep pitting:**
- Option 1: Apply a full wet coat, by spray application, of Nova-Plate 360. If necessary, follow with rubber squeegee to work material into and fill the pitted areas. Apply a full coat of Nova-Plate 360 at recommended film thickness.
- Option 2: Weld new steel plates, or use puddle welds, as required to repair pitted areas. Coat areas as recommended.

**Shallow pitting, isolated areas:**
- Same as number 1 above.

**Low spray pressure allows for less over spray in small vessels.**

**Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, climatic conditions, and excessive film build.**

**Film build exceeding 50 mils (1,250 microns) should be avoided as it will increase cure times.**

**For Immersion Service:** Holiday test in accordance with ASTM D5162 for steel, or ASTM D4787 for concrete.

**Do not mix previously catalyzed material with new.**

**Do not apply the material beyond recommended pot life.**

**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 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.