



# New Guard Coatings Group

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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**Protective & Marine Coatings**  
PRODUCT DATA SHEET



**NOVA-PLATE® 325**  
HIGH TEMPERATURE, HIGH PRESSURE  
RESISTANT TANK LINING

APPLICATION	APPLICATION CONDITIONS	
<p><b>Plural Component Equipment</b></p> <p>Pump.....WIWA DUOMIX 2:1, Graco Extreme Mix, Graco XM, or Graco XP</p> <p>Pressure.....4000 psi minimum (276 bar)</p> <p>Hose.....3/8" ID (9.5 mm)</p> <p>Tip .....0.21"-0.25" (0.53-0.64 mm)</p> <p>Pump heater setting.....110°F-130°F (43°C-54°C) do not exceed 140°F (60°C)</p> <p>Material temperature at gun tip .....110°F-130°F (43°C-54°C) vary as needed</p> <p><b>Brush</b> .....For stripe coating and repair only Brush.....Nylon/Polyester or Natural Bristle</p> <p><b>Roller</b> .....For stripe coating and repair only Cover .....3/8" woven with solvent resistant core</p> <p>If specific application equipment is not listed above, equivalent equipment may be substituted.</p>	<p><b>Temperature:</b> Air &amp; Surface: 50°F (10°C) minimum, 110°F (43°C) maximum</p> <p>Relative humidity: 85% maximum</p>	
	APPROVALS	
	<ul style="list-style-type: none"> <li>Meets the requirements of the API 652 guideline as a thick film reinforced lining when applied in accordance with API 653 inspections</li> <li>Tested and approved via 3rd party testing for NORSOK M-501, System No. 7C up to 180°C/356°F</li> </ul>	
	ADDITIONAL NOTES	
	<p><b>Repair of Pitted Tank Bottoms</b> <b>Extensive, deep pitting:</b> <b>Options:</b> <b>Option 1</b>...Apply a full wet coat, by spray application, of Nova-Plate 325. If necessary, follow with rubber squeegee to work material into and fill the pitted areas. After recommended drying time, apply a full coat of Nova-Plate 325 at recommended film thickness.</p> <p><b>Option 2</b>...Weld new steel plates, or use puddle welds, as required to repair pitted areas. Coat areas as recommended.</p> <p><b>Shallow pitting, isolated areas:</b> Same as number 1 above.</p> <p>When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross-coat spray at a right angle.</p> <p>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, overthinning, climatic conditions, and excessive film build.</p> <p>No reduction of material is recommended as this can affect film build, appearance, and adhesion.</p> <p>Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.</p> <p>Do not mix previously catalyzed material with new.</p> <p>Do not apply the material beyond recommended pot life.</p> <p><b>Remove and solvent clean tip housing every 20-30 minutes.</b></p> <p><b>For Immersion Service:</b> (if required) Holiday test in accordance with ASTM D5162 for steel, or ASTM D4787 for concrete.</p> <p>Final cure must be confirmed in accordance with ASTM D5402, "Assessing the Solvent Resistance of Organic Coatings Using Solvent Rubs". Test shall consist of 50 double rubs with MEK. Test shall confirm no loss of DFT, and no coating residue on rubbing cloth.</p> <p>Additional packaging available: 300 x 150 mL cartridges for repair.</p>	
RECOMMENDED SYSTEMS		
<b>Dry Film Thickness / ct.</b>	<b>Mils</b>	<b>(Microns)</b>
<b>Steel, Immersion</b>		
1 Ct. Nova-Plate 325	20.0-40.0	(500-1000)
<b>Steel, Non-Pressurized Immersion</b>		
With hold primer		
1 Ct. Macropoxy 240 (as required for blast hold primer)	1.0-1.5	(25-40)
1 Ct. Nova-Plate 325	20.0-40.0	(500-1000)
<b>Steel, Non-Pressurized Immersion</b>		
Where brush applied Novolac Epoxy stripe coat required		
1 Ct. Epo-Phen FF	2.0-3.0	(50-75)
1 Ct. Nova-Plate 325	20.0-40.0	(500-1000)
<p>NOTE: It is inevitable that film thickness in excess of that specified will be applied. In the case of Nova-Plate 325, spot-areas of 60 mils (1,500 microns) are acceptable, providing the 80:20 rule* is met.</p> <p>*80% of all thickness measurements shall be greater than, or equal to the nominal dft and none of the remaining 20% measurements shall be below 0.8 x nominal dft.</p> <p>The systems listed above are representative of the product's use, other systems may be appropriate.</p>		
WARRANTY		
<p>The Sherwin-Williams Company warrants our 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.</p>		
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		
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