

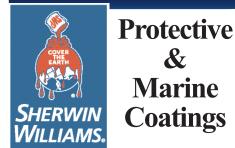
The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

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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# **DURA-PLATE<sup>™</sup> UHS EPOXY TANK LINING**

Revised 02/2022 Issue 9

### **PRODUCT INFORMATION**

PRODUCT DESCRIPTION           A rapid return to service, high build, edge retentive tank lining.           PRODUCT CHARACTERISTICS					Recommended Uses           For use over prepared steel or concrete surfaces in industrial and marine exposures such as:           • Meets MIL-PRF-23236, Type VII, Class 5, 7, 9 and 11, Grade C           • Ballast tank interiors, Oil storage tank interiors, Refined fuel storage tank							
								Flash Point: >93°C mixed				
								Finish	Gloss			
Colour:	_	e, Light Green						<ul> <li>Water and waste t</li> <li>Primary and second</li> </ul>	reatment plants ndary containment are	as		
				<ul> <li>Where edge protection film build properties are required</li> <li>Suitable for use with cathodic protection systems</li> </ul>								
Volume Solids:	98% ± 2%, mixed											
Weight Solids:		± 2%, mixed			Perfor	MANCE CHARAC	TERISTICS					
VOC:	<155	•			Substrate: Steel							
Mix Ratio:		y volume				n: BS EN ISO 8501-1	2007 Sa2½					
RE	COMMENDE	D THICKN	ESS		System Tested: 1 ct. Dura-Plate UHS (	@ 450 microns dft						
	Spreading R	ate per coat:			Test Name	Test Method	Results					
		oat system		t system	Abrasion Resistance	ASTM D4060-14, CS17 wheel, 1000	20.8 mg loss					
Mat mieropo	<b>Mir</b> 450		<b>Min.</b> 250	<b>Max.</b> 300		cycles, 1 kg load						
Wet microns Dry microns	450		250	300	Adhesion	ASTM D4541-17;	800 psi, minimum (ASTM D4541); 5A					
Total microns	450		500	600		ASTM D3359-17	(ASTM D3359)					
Theoretical Coverage	e m²/ltr 2.2	1.8	4	3.3	Corrosion Weathering		Rating 10 per ASTM					
Maximum sag tolerar						ASTM D5894-16 cycles, 2016 hours	D610 for rusting and Rating 10 per ASTM					
NOTE: Brush or rolle only.	er application recon	nmended for strip	e coating	and repair			D714 for blistering					
Average Drying Times					Direct Impact Resistance	ASTM D2794- 93(2010); ASTM G14-04(2018)	30 in. lb. (ASTM D2794); 168 in. lb. (ASTM G14)					
Standard H	ardener @ 250-5	550 microns we	t @50%	RH	Dry Heat Resistance	ASTM D2485-18	121°C					
otandara n	@ 13°C	@ 25°C	-	⊅_38°C	Flexibility	ASTM D522/ D522M-17, 180°	Passes, 9.7% elonga-					
To touch:	12 hours	5 hours		hours		bend, 1/2" mandrel	tion					
To handle: To recoat:	48 hours	14 hours	5	3 hours	Pencil Hardness	ASTM D3363-	ЗН					
minimum:	48 hours	14 hours		3 hours		05(2011)E2						
maximum: Cure to service:	21 days	14 days		4 days	Ballast Tank mix	ent temperature): R	ecommended					
Heat Cure:		10 days 4 days 24 hours 8 hours @ ambient, then 16 hrs @ 60°C			Crude oil							
Pot Life:	30-40 minutes	20.40 minuto	- 20.2	30 minutes	Ethanol or Gasoh	olR	ecommended					
Induction Time:				None	<ul> <li>Fresh water/Potat</li> </ul>	ole Water R	ecommended					
induction time:	15 minutes	None				R BE R						
Law Tama anata				50% DU	<ul> <li>Refined petroleum</li> </ul>	n productsR	ecommended					
Low remperatu	<u>re Hardener @ 2</u> @ 4.5°C	@ 13°C		<u>э0% кн</u> Э 25°С								
To touch:	24 hours	5 hours		bours		anol blends N						
To handle: To recoat:	48 hours	24 hours	8	3 hours		Package						
no recoat: minimum:	48 hours	24 hours	8	8 hours	Pack Size: 5	and 17.5 litre units						
maximum:	30 days	21 days		4 days		months, store indoors at	t 5°C to 38°C					
Cure to service: Heat Cure:	7 days	5 days ambient, then 16		3 days		Not Recommended						
	C	מווטוכווג, נוופון ול	າແຈເພເ		Cleanser: No	o 13						
Pot Life:	20 minutes	20 minutes	10	minutes		5ltr in 5ltr can						
Induction Time:	5 minutes	None		None	Weight: 1.2	26 Kg/ltr ± .04						

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Application Conditions	Application Equipment	
Temperature (air, surface): 10°C minimum, 43°C maximum 3°C above dew point         Material should be 21°C to 29°C for optimum application characteristics         Relative humidity:       85% maximum         Note: Recommended application procedure direct to steel: Apply a 125-150 micron coat to the substrate. Allow material to "wet" the surface. Then apply additional material, to bring total film thickness to the recommended range.         Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance         Minimum recommended surface preapration: 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.         Atmospheric Service: BS EN ISO 8501-1:2007 Sa2 (Surface profile 50 - 75µ) UHP water jetting to SSPC / NACE WJ-3/NV2 (To reveal pre-existing profile of 50µ) UHP cleaned steel shall be primed before flash rusitng occurs.         Immersion Service: BS EN ISO 8501-1:2007 Sa2½ (Surface profile 50 - 75µ) UHP water jetting to SSPC / NACE WJ-3/NV2 (To reveal pre-existing profile of 50µ) UHP cleaned steel shall be primed before flash rusitng occurs.         Immersion Service: BS EN ISO 8501-1:2007 Sa2½ (Surface profile 50 - 75µ) UHP water jetting to SSPC / NACE WJ-2/NV2 (To reveal pre-existing profile of 50µ)         UHP water jetting to SSPC / NACE WJ-2/NV2 (To reveal pre-existing profile of 50µ)         UHP water jetting to SSPC / NACE WJ-2/NV2 (To reveal pre-existing profile of 50µ)         UHP water jetting to SSPC / NACE WJ-2/NV2 (To reveal pre-existing profile of 50µ)	The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed cleanser. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions. <b>Thinner</b> Not recommended	
	rate as indicated below: CLEAN UP INSTRUCTIONS	
	Clean spills, tools and spatters immediately with cleanser No 13.	
	SAFETY PRECAUTIONS	
	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.	
	WARRANTY	
	Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use. The information detailed in this Data Sheet is liable to modification from time to time in the light of experience and of normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.	