

DURA-PLATE® 6000 REINFORCED EPOXY

Part A Part B Part B B62W710 WHITE B62V710 OFF WHITE HARDENER B62BV710 BLACK HARDENER

Revised: November 15, 2022

PRODUCT INFORMATION

CERTIFIED

HEALTH EFFECTS US·CA MH4570]

NSF/ANSI/CAN 61 ealth Effects Require NSF/ANSI/CAN 600

TRM.116

PRODUCT DESCRIPTION PRODUCT CHARACTERISTICS (CONT'D) DURA-PLATE 6000 is a 100% solids, high build, high strength, reinforced epoxy lining for concrete and steel in severe service Drying Schedule @ 120.0 mils wet (3.000 microns): reinforced epoxy lining for concrete and steel in severe service environments including splashzone areas on offshore platforms, wharf piles, jetties, chemical plants, pulp and paper mills and water treatment plants. Dura-Plate 6000 provides fast return-to-service times and the option for single leg application. It eliminates the application challenges associated with standard reinforced epoxy products while providing long-term life expectancy with extremely low permeability and excellent chemical resistance. @ 120°F/49°C @ 95°F/35°C @ 150°F/66°C <50% RH <50% RH <50% RH 2 hours 1.5 hours To touch: 1 hour To handle: 4 hours 3 hours 2 hours To recoat: minimum: 5 hours 5 hours 5 hours maximum: 28 days 28 davs 28 days Glass flake reinforced Cure to Hangs up to 125+ mils* (3,125 microns) service: 10 hours 10 hours 10 hours Single leg or plural component spray application Pot life: 40 minutes 40 minutes 10 minutes If maximum recoat time is exceeded, abrade surface before recoating. Extended 28 day re-coat window Return to service in 10 hours Drving time is temperature, humidity, and film thickness dependent Continues to cure underwater Shelf Life: 24 months, unopened. Store Extremely low permeability indoors at 40°F (4.5°C) to 100°F (38°C). May be applied to an SSD (Saturated Surface Dry) substrate Flash Point: >212°F (100°C), PMCC or SETA, mixed *Refer to NSF website for product restrictions or recommendations on dry film thickness. reducer restrictions and cure times. **Reducer:** Not recommended **Clean Up:** MFK **PRODUCT CHARACTERISTICS** Recommended Uses For use over properly prepared steel and concrete surfaces in industrial environments and water and wastewater exposures, such as but not Finish: Gloss limited to Color: White, Gray Acceptable for use with cathodic protection Severe wastewater immersion and headspace environments Sewer collection systems Wastewater treatment plants Volume Solids: 100%, mixed Weight Solids: 100%, mixed Industrial and wastewater tankage Suitable for use in USDA-inspected food processing facilities Pre-Qualified to NORSOK M-501 Rev. 6 System 7A & 7B Mix Ratio: 2:1 by volume VOC (unreduced): 16 g/L ; 0.13 lb/gal, mixed For NSF approved applications: • Refer to NSF website for product restrictions or recommendations on Recommended Spreading Rate per coat: dry film thickness, reducer restrictions and cure times Minimum Maximum Meets the requirements of AWWA C210-15 Wet mils (microns) 20.0 (500) 125.0+ (3,125) Performance Characteristics 125.0+** (3,125) Dry mils* (microns) 20.0 (500) ~Coverage sq ft/gal (m²/L) 13 (0.3) 80 (2.0) Substrate*: Steel Theoretical coverage sq ft/gal Surface Preparation*: SSPC-SP10/NACE2 1604 (39.4) (m²/L) @ 1 mil / 25 microns dft System Tested*: *Consult systems guide on second page for specific concrete and 1 ct. Dura-Plate 6000 @ 120 mils (3,000 microns) dft steel recommendations. *unless otherwise noted below **Refer to NSF website for product restrictions or recommendations on Test Name Test Method Results dry film thickness, reducer restrictions and cure times. Abrasion Resistance ASTM D4060 <120 mg loss NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance. ASTM D4541 (Steel) >3,000 psi Adhesion ASTM D7234 (Concrete) substrate failure Drying Schedule @ 120.0 mils wet (3,000 microns): Compressive Strength ASTM D695 10,000 psi @ 35°F/1.7°C @ 55°F/13°C @ 77°F/25°C Direct Impact Resistance **ASTM D2794** 80 in. lb. 50% RH 50% RH 50% RH To touch: 4 hours 3 hours 2 hours **Elongation Percentage ASTM D2794** 2% To handle: 12 hours 5 hours 4 hours Flexural Modulus ASTM D790 670,000 psi To recoat: Flexural Strength ASTM D790 12,000 psi 10 hours minimum: 5 hours 5 hours maximum: 28 davs 28 davs 28 davs Hardness, Shore D ASTM D2240 75 Cure to Humidity Resistance ASTM D4585 Pass 10 hours 10 hours 10 hours service: Severe Wastewater not ASTM G210 Pass Pot life: 1 hour 1 hour Analysis Test recommended* **Fensile Strength** ASTM D638 7,300 psi *It is recommended that the product is kept above 55°F (13°C) for application and mixing. Water Vapor Transmission **ASTM D1653** 0 gms/m² (24 hours)

If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.

Third party testing available upon request.



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Recommended Systems				SURFACE PREPARATION				
		Dry Film T <u>Mils</u>	hickness / ct. (Microns)	Surface mu dust, greas	ust be clean, dry se, dirt, loose ru adhesion	r, and in sound ist, and other	d condition. foreign ma	Remove all oil, terial to ensure
Concr Primer	ete & Masonry: (optional for below grade si ial and required for above qu	Refer to product Application Bulletin for detailed surface prepara- tion information.						
reduce 1 ct.	e outgassing potential): Cord Dura-Plate 6000	bond 100 or R 60.0-125.0+**	esuprime MVT (1,500-3,125)	Minimum re Iron & Stee	ecommended s el:	urface preparation: SSPC-SP10/NACE 2, 3 mil (75 micron) profile		
1 ct. 1 ct.	Dura-Plate 2300 as needed (Optional) Primer as defined	to fill surface in d above	mperfections	Concrete &	a Masonry:	SSPC-SP13 310.2R CSF	8/NACE 6 c 9 3-5	or ICRI No.
1 ct.	Dura-Plate 6000	60.0-125.0+**	* (1,500-3,125)	Ductile Iron Atmosph	n Pipe: ieric:	NAPF 500-0	3-03 Powe	r Tool Cleaning
**Refer dry film	**Refer to NSF website for product restrictions or recommendations on dry film thickness, reducer restrictions and cure times.				on:	NAPF 500-03	3-04 Abrasiv	e Blast Cleaning
Contact	t your Sherwin-Williams Repres	Iron Fittir	ngs: Surface	NAPF 500-03-05 Abrasive Blast Cleaning Preparation Standards				
Steel: 1 ct.	Dura-Plate 6000	20.0	(500)	White Metal Near White Me Commercial B Brush-Off Blas Hand Tool Clea Power Tool Clea	Condition o Surface etal last st aning Rusted Pitted & Rus eaning Rusted Pitted & Rus	f ISO 8501-1 BS7079:A1 Sa 3 Sa 2.5 Sa 2 C St 2 C St 2 C St 2 C St 2 C St 3 ted D St 3	SSPC SP 5 SP 10 SP 6 SP 7 SP 2 SP 2 SP 3 SP 3	NACE 1 2 3 4 - - -
Non-NSF Applications only: Concrete & Masonry, Immersion Thick Film / Severe Service*:				TINTING				
				Do not tint.				
1 ct. 1 ct.	Dura-Plate 6000	80.0-250.0	(2000-6250)	Application Conditions				
	or Dura-Plate 6000 Mortar	125.0-500.0	(3125-12500)	Temperatur Air & Sur	re: rface:	35°F (1.7°C)) minimum,	150°F (66°C)
Concr Mediu	ete & Masonry, Immersion m Film / Moderate Service	Material: 77°F (25°C) minimum, 150°F (66°C) maximum At least 5°F (2.8°C) above dew point				150°F (66°C)		
1 ct. 1 ct.	Dura-Plate 6000 (Clear) - 40	40.0-80.0	(9.8-13.0 m ² /L) (1000-2000)	Refer to pro	duct Application	Bulletin for deta	ailed applica	tion information.
*consult your Shewin-Williams representative for immersion suitability				ORDERING INFORMATION				
The systems listed above are representative of the product's use, other systems may be appropriate.				Packaging: Part A: Part B:	: 3 gallons (11. 5 gallons (18. 50 gallons (18 1.5 gallons (5 5 gallons (18.	3L) in a 5 gall 9L) in a 5 gall 39L) in a 55 ga .7L) in a 2 gal 9L) in a 5 gall	on (18.9L) lon (18.9L) allon (208L llon (7.6L) lon (18.9L)	pail, pail, and .) drum container, pail, and
SAFETY PRECAUTIONS					50 gallons (18	39L) in a 55 g	allon (208L	.) drum
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.				Weight: 10.45 lb/gal ; 1.25 Kg/L, mixed, White				
Disclaimer				WARRANTY				
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 Information and Application Bulletin.				The Sherwin-Williams Company warrants our products to be free of manufactur- ing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defec- tive 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 MER- CHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.				