

DURA-PLATE® 6100



HIGH-PERFORMANCE EPOXY

DURA-PLATE® 6100 EPOXY is a high-build, high-performance, 100%-solids epoxy designed for corrosion protection of concrete and steel in municipal and industrial wastewater environments. Dura-Plate 6100 delivers overall cost savings with improved lifecycles, fast project completion and enhancements to structural properties of the existing asset.

BENEFITS



Provides improved lifecycle due to increased wear course thickness



Quick project completion and overall savings



Extends the useful service life of the asset through structural property enhancement



Application versatility to complete the project no matter the restrictions



Reduces out-of-service time for critical assets

RECOMMENDED USES

- Manholes
- Wet wells
- Lift stations
- Influent channels
- Digesters
- Steel pipe
- Concrete pipe
- Wastewater structures

FEATURES

High-film build

One-coat application

High physical strengths

100% solids

Low VOC

Fast return to service

Epoxy mortar version available

Product Characteristics

Finish	Matte
Color	Off white
Volume Solids	100%
VOC (measured):	<10 g/L (EPA Method 24)
Weight Solids:	100%, calculated mixed
Mix Ratio:	2:1, mix by volume

FROM SPEC TO PROTECT

[sherwin-williams.com/protective](https://www.sherwin-williams.com/protective)

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[Accessibility Statement](#)

**SHERWIN
WILLIAMS®**

DURA-PLATE® 6100

HIGH-PERFORMANCE EPOXY

Performance Characteristics

System Tested*: 1 ct. Dura-Plate 6100 @ 80.0 mils (2000 microns) to 100.0 mils (2500 microns) dft* unless otherwise noted below

Resistance Guide Immersion

Contact your local Sherwin-Williams Protective & Marine sales rep to verify suitability at elevated temperatures.

Acetic Acid 5%	Recommended
Ammonium Hydroxide 5%	
Diesel Fuel	
Ferric Chloride 1%	
Fresh and Non-Potable Water	
Hypochlorous Acid 10%	
Kerosene	
Nitric Acid 10%	
Sodium Carbonate	
Sodium Chloride 10%	
Sodium Hydroxide 25%	
Sodium Hypochlorite 1%*	
Sulfuric Acid 20%	

*1% sodium hypochlorite solution was prepared from fresh standard household bleach where sodium hypochlorite solution concentration was assumed to be 5.25%

Recommended Spreading Rate Per Coat:

	Minimum	Maximum
Wet mils (microns)	12.0 (300)	125.0 (3125)
Dry mils (microns)	12.0 (300)	125.0 (3125)
-Coverage sq ft/gal (m²/L)	12.8 (0.3)	133.6 (12.4)

Drying schedule @ 120.0 mils wet (3000 microns):

@ 77°F/25°C 50% RH

To touch:	30 minutes
To handle:	2 hours
To recoat:	15 minutes
Minimum:	8 hours
Maximum:	12 hours
Cure to service:	If maximum recoat time is exceeded, scarify surface before recoating. Drying time is temperature, humidity and film thickness dependent.
Potlife:	20 min/1 qt mass @ 77°F /25°C

Performance Characteristics

Test Name	Test Method	Results
Abrasion	ASTM D4060	<90 mg loss
Adhesion (Concrete)	ASTM D7324	Substrate Failure
Adhesion (Steel)	ASTM D4541	>3,000 psi
Compressive Strength	ASTM D695	15,000 psi
Elongation Percent	ASTM D638	4.8%
Flexural Modulus	ASTM D790	590,000 psi
Flexural Strength	ASTM D790	11,000 psi
Hardness, Shore D	ASTM 2240	83
Impact Resistance	ASTM D2794	30 in. lbs.
Modulus of Elasticity	ASTM D638	247,000 psi
Tensile Strength	ASTM D638	5,600 psi
Water Absorption	ASTM D570	0.15%
Water Vapor Transmission	ASTM D1653	3.0/gms/m ² (24 hrs)

Epoxy coatings may darken or discolor following application and curing, and may chalk when composed to sunlight.

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams Protective & Marine delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe.

The industry experts at Sherwin-Williams Protective & Marine are renowned authorities in their respective fields of knowledge - including Bridge & Highway, Flooring, Food & Beverage, Fire Protection, Freight Rail, Marine, Oil & Gas, Power Generation, Steel Fabrication and Water & Wastewater. Our global technology expertise in areas including tank linings, passive fire protection, corrosion under insulation (CUI) testing and fusion-bonded epoxy drives game-changing innovation and influences global industry standards.

North America

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