

PRODUCT DESCRIPTION

Powermax Guard is a unique high-build (4 to 6 mils DFT) single component aromatic MCU serving as an all-purpose primer, intermediate coat or topcoat. Powermax Guard is extremely surface-tolerant and provides excellent corrosion, abrasion and water resistance.

PRODUCT FEATURES

- Excellent adhesion to steel, aluminum, galvanized metal, weathering steel, concrete, or fiberglass
- Excellent adhesion to marginally prepared surfaces
- Excellent over aged alkyds or epoxies
- Excellent abrasion resistance and chemical resistance
- Quick recoat times in cold, damp, humid, and foggy conditions
- Suitable for early immersion or splash areas
- Cannot amine blush; does not brittle with age
- Can be applied at a minimum of -7°C (20°F) and humidity up to 99%; no dew point temperature differential restrictions
- Achieves 6 mils DFT per coat; 14 to 18 mils DFT in three coats
- Apply by brush, roller, or spray
- Good topcoat for interior use
- Can be applied over SSPC-SP-2, SP-3, SP-11, SP-6, or SP-10 steel surface preparation

RECOMMENDED USES

- For painting in the field or shop
- Excellent adhesion to steel, aluminum, weathering steel, galvanized metal, concrete, fiberglass, or old coatings
- Excellent primer for concrete floors

TECHNICAL DATA

Colors:	Available in many colors	Drying times:	
Gloss:	Low gloss	Dust free :	2 hours
Type of cure:	Atmospheric Moisture-Cure	To recoat:	4 - 6 hours
Binder:	Aromatic Polyurethane	Hard	24 hours
* Solids by volume:	62 % +/- 2 %	Immerse:	4 hours
* Solids by Weight:	77 % +/- 2 %	Pot Life:	
Temperature resistance:		Newly opened can:	16 hours
Continuous dry:	325°C (163°F)	Working pot, Spray application:	6-8 hours
Non-continuous dry:	375°C (191°F)	Working pot, brush or roll	
Theoretical Coverage of 1mil:	995 ft ² / U.S. gallon	application:	4-6 hours
D.F.T. at 25 microns:	92 m ² / 3.78 liters	V.O.C.:	< 340 grs/lt. < 2.8 lbs. / U.S. gal.
Recommended D.F.T. mils:	4.0 – 6.0	Shelf life:	12 months @ 29°C (85°F) un-opened Avoid storing in direct sunlight
Dry film thickness microns:	100 - 150	Packaging:	3.78 lts. (1 U.S. gallon) 18.93 lts. (5 U.S. gallons)
Maximum wet film: mils:	10.0	*Data may vary for different colors	Keep in a cool dry area
microns:	250		
* Specific gravity:	1.32-1.56 kg/lt. (11-13 lbs./lt)		
Flash Point:	Above 42°C (108°F)		

PRODUCT LIMITATIONS

- Avoid application over visible droplets or puddles of water or ice formations
- Dry film thicknesses exceeding 6 mils (10 mils wet) may cause bubbling and blistering
- For best immersion service performance, use over Powermax Zinc ME III
- Temperature resistance to 82°C (180°F) continuous water temperature and excursion temperatures to 100°C (212°F)
- For direct application to concrete, see "Application"

PHYSICAL PROPERTIES

- Stated cure times are at 40% minimum relative humidity and temperatures of 10°C (50°F) to 38°C (100°F)
- Allow more time at humidity below 40% and temperatures below 40% and temperatures below 10°C (50°F)

APPLICATION GUIDE
SURFACE PREPARATION

First remove all grease, oil, salt contaminants, and dirt in accordance with SSPC-SP-1 "solvent cleaning". High-pressure-water-wash or steam clean to remove any remaining soluble salts. For full "overcoating" of aged alkyds or older coatings, use SSPC-SP-1. As a spot primer, use SSPC-SP-2 hand-tool cleaning or SSPC-SP-3 or SSPC-SP-11 power-tool cleaning. As a full primer over steel, use SSPC-SP-6. The blast profile should be between 1½ and 2½ mils. For immersion service, blast to near-white metal SSPC-SP-10 and obtain 1½ and 2½ mils profile. Before painting always vacuum or remove any dust, dirt, or debris to ensure the surface is or remains clean. Always remove weld spatter and round off rough welds and sharp edges. Evaluate representative test patches to ensure adequate adhesion to old coatings. If these coatings are hard and shiny, abrade the surface to ensure adhesion. For use over concrete: the moisture level of the concrete should not be above 10-12%, Concrete surfaces should be abrasive blasted to a surface profile of at least 2.5 - 3 mils and to remove laitance, Surface imperfections like cracks, bugholes and voids must be filled before applying the Guard, Prior to painting, all receiving surfaces must be free of any remaining soluble salts.

** Not recommended to paint below this temperature. Sudden temperature drops and wind chill factors may prevent the coating from curing enough to accept the next coat. Contact Lahalt.

*Dirt, salt contamination or chalking due to direct sunlight may occur within this time frame. Therefore, remove in accordance with SSPC-SP-1 "solvent cleaning" before recoating.

When applying directly to unpainted concrete, backroll Guard to achieve adequate penetration and filling of minute cracks and pores. Additional thinning up to 10% X-34 may be used.

Substrate temperature	Recoat time	
	Minimum	Maximum
< 20°F (-7°C) **	Not recommended to paint below this temperature.	
20° to 40°F (-7° to 5°C)	12 - 18 hours	2 weeks*
45°F (7°C)	6 - 12 hours	2 weeks*
50° to 100°F (10° to 38°C)	4 - 6 hours	2 weeks*

See the material safety data sheet and product label for complete safety and precaution requirements.

DISCLAIMER:

"The following is made in lieu of all warranties, expressed or implied: Manufacturer's obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc. The information contained herein is subject to change without notice. Consult your representative for a current data sheet. The foregoing may not be altered except by an agreement signed by the officers of the manufacturer."