



EPOXY PRIMER/FINISH

MEGASHIELD™

PRODUCT INFORMATION

PRODUCT DESCRIPTION

Megashield™ Epoxy Primer/Finish is a high-build hard wearing surface tolerant two-pack epoxy primer/finish that provides complete corrosion protection in one coat.

INTENDED USES

Suitable for steel and concrete structures above water areas and exposed to aggressive conditions. Megashield™ is a tough primer finish that provides chemical and abrasion resistance.

PRODUCT INFORMATION

Color	XSF 684-Gray, XSL 274 -Red, XSL 549- Green
Finish/Sheen	Semi-Gloss (ISO 2813:1978)
Part B (Curing Agent)	XSB 590 Amber
Volume Solids	67 +/- 2% depending on color (ISO 3233:1998)
Mix Ratio	4:1 part per volume
Typical Film Thickness	150-165 microns dry (230-250 microns wet)
Theoretical Coverage	4.33 m ² /L at 150 microns dft and 3.93 m ² /L at 165 microns dft
Method of Application	Brush, Roller, Airless Spray
Flash Point	Part A 27°C, Part B 29°C, Mixed 28°C
Induction Period	30 minutes at temperatures below 25°C

APPLICATION DETAILS

Mixing	Material is supplied in two pack containers Part A & Part B. Always mix a complete unit of the supplied proportions using a power agitator.
Thinner	EPOXY THINNER MTC 369 - allowable thinning down is 5% maximum by volume.
Airless Spray	Recommended Tip range 21-33 thou. Total output fluid pressure above 176-246 kg/cm ² (2500-3500 psi)
Conventional Spray	Not Recommended
Brush	A film thickness of 40-50 microns can be obtained
Roller	A film thickness of 40-50 microns can be obtained

DRYING INFORMATION

	28°C	32°C
Touch Dry (ISO1517:73)	2 hours	1 hour
Hard Dry (ISO9117:90)	24 hours	20 hours
Pot Life	12 hours	8 hours

OVERCOATING DATA - See limitations

Overcoated by by itself	28°C		32°C	
	Min	Max	Min	Max
	8 hours	2 months	6 hours	28 days



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SYSTEMS AND COMPATIBILITY

*Recommended primer: Megazinc™
(optional and if needed)
Recommended topcoat:
Megashield™ Epoxy Topcoat Series, Megathane™ Polyurethane Series,
Megasheen™ Modified Acrylic Finish*

STORAGE AND HANDLING

Storage	The product can be stored in sealed containers at 28 °C for a minimum of one year. Store in dry, shaded conditions, and away from sources of heat and ignition.
Pack Size	4 Liters and 20 Liters pack

SURFACE PREPARATION

New Construction and Maintenance

The surface to be overcoated must be clean, dry and free from contamination. Oil and grease should be removed in accordance with SSPC-SP 1 solvent cleaning. Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally be adequate. Soluble salts be removed by fresh water washing. Damaged or corroded areas should be prepared to the specified standard. Blast to SSPC-SP10 for maximum performance

LIMITATIONS

Common with all epoxies, this product is prone to chalking and yellowing in warm climates upon exposure to sunlight.

SAFETY PRECAUTIONS

Avoid contact with skin and eyes use proper equipment when handling material (i.e. gloves, goggles, face mask, barrier creams, etc.) Wash affected skin with lukewarm water and soap or suitable industrial cleaner. If you come contact with your eyes, flush your eyes with water for at least 10 minutes and seek immediate medical attention.

Important Note

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