



EPOXY PRIMER

MEGASHIELD™

PRODUCT INFORMATION

PRODUCT DESCRIPTION Megashield™ Epoxy Primer is a two-pack epoxy zinc phosphate polyamide primer.

INTENDED USES Used for the long-term protection of steel from corrosion.

PRODUCT INFORMATION

Color	XPF684 - Gray, XPL274 - Red
Finish/Sheen	Flat (ISO 2813:1978)
Part B (Curing Agent)	XPB572 Light Amber
Volume Solids	50% (ISO 3233:1998)
Mix Ratio	4:1 part per volume
Typical Film Thickness	80-100 microns WFT; 40-50 microns DFT
Theoretical Coverage	12.5 m ² /L at 40 DFT and 10 m ² /L at 50 DFT
Method of Application	Brush, Roller, Airless Spray
Flash Point	Part A : 26°C , Part B: 26 °C, Mixed: 26 °C
Induction Period	15 minutes

APPLICATION DETAILS

Mixing	<i>Material is supplied in two pack containers Part A & Part B. Always mix a complete unit of the supplied proportions using a power agitator.</i>
Thinner	EPOXY THINNER MTC369 - allowable thinning down max of 5% by volume.
Airless Spray	Recommended Tip range 15-21 thou. Total output fluid pressure above 155 kg/cm ² (2204 psi)
Conventional Spray	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)	20 minutes	10 minutes
Hard Dry (ISO9117:90)	20 hours	16 hours
Pot Life	14 hours	10 hours

OVERCOATING DATA - See limitations

Overcoated by by itself	28°C		32°C	
	Min	Max	Min	Max
	3 hours	28 days	2 hours	21 days



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SYSTEMS AND COMPATIBILITY

Recommended primers:

Megazinc™

Recommended topcoats:

Megashield™ XT Series, Megathane™ UT Series, Megasheen™ MA Series

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 and patch primed with Megaprime materials.

LIMITATIONS

Optimum performance will be achieved over blasted steel. Stripe coating is necessary prior to spray application.

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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