



Technical Datasheet

Epomastic Topcoat

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Product Description

A premium, two-component polyamide-cured epoxy coating offering excellent corrosion resistance, strong adhesion, high hardness, and superior abrasion resistance — ideal for surface-tolerant industrial protection.

Intended Use

Intended for use as a topcoat on interior and exterior industrial structural steel, offshore maintenance areas, steel equipment, and concrete surfaces. Suitable as a topcoat system for environments up to C4 exposure.

Physical Properties

PROPERTY	TYPICAL VALUE	TEST METHOD
Finish	Semi-Gloss (<60 GU at 60°)	
Color	White, Grey and other colors	
Volume Solids	75±3% (Mix)	ASTM D2697
Specific Gravity (g/cm ³)	1.3±0.03 (Mix)	ASTM D1475
Theoretical Spread rate	5M ² / LTR @ 150micron DFT / coat	
Flash Point	25°C (Mix)	
VOC	<330g/L	ASTM D3960
Mix Ratio (By volume)	3 (Base) : 1 (Hardener)	

Application Information

Surface Preparation

Steel

- Surface must be clean, dry, and free from dust, oil, and grease in accordance with SSPC-SP1.
- Remove salts and contaminants using high-pressure washing.
- Repair fabrication defects such as weld spatter and sharp edges before coating.
- Prepare the steel to Sa 2½ (NACE No. 2 / SSPC-SP10).

Concrete

- New concrete must cure for at least 28 days before coating.
- Ensure the surface is clean, dry, and free of dust, oil, grease, salts, mold, and release agents.
- Prepare by light grit blasting or grinding to achieve CSP 2–3 as per ICRI 310.2 / SSPC-SP13 / NACE 6.

Application Conditions

- Temperature of the substrate should be >5°C above the dew point.
- Temperature during application should be greater than 10°C.
- Relative humidity should be <85%.

Coating system

- Primer: Apply one or two coats of Jotech Epoxy Zinc Phosphate Primer as the recommended base system.

Application Method

The application method depends on weather and application conditions.

	BRUSH / ROLLER	AIR SPRAY	AIRLESS SPRAY
Thinner	Jotech Epoxy Thinner	Jotech Epoxy Thinner	Jotech Epoxy Thinner
Thinning (by Volume)	5%	5-10%	0-5%
Nozzle Orifice		1.5mm – 1.8mm	0.015"
Nozzle Pressure		30-45 psi	2000-2200 psi
Spray Angle		40°- 80°	40°- 80°
Mixing Ratio (By volume)	Base: Hardener = 3:1 (Mix thoroughly for 15-20 minutes)		
Pot life @ 30°C	4-6 hours		

Drying Time and Recoating Intervals

Touch dry	3-4 hours
Hard dry	6-8 hours
Dry to recoat	8-12 hours

Shelf life & Packaging

- 24 months @ 25°C in original sealed packaging from the date of manufacture.
 - Available in 18Liter & 3.6 Liters.
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Storage

- The container should be kept in sealed, dry, cool (@ 25°C to 30°C) & well -ventilated place, away from direct sunlight, heat - in accordance to local statutory regulations.
 - Keep away from ignition sources, sparks and open flames.
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Handling & Safety Precautions

Please read and follow all safety precautions as outlined in the MSDS for this product. Strictly avoid contact of liquid paint with eyes and skin, and avoid inhalation of paint mist or vapors. Use appropriate personal protective equipment, including gloves, masks, and protective clothing, during application. When applying paint in areas with insufficient ventilation, ensure that forced ventilation is provided. Keep the product out of reach of children.

Paint wastes and empty containers should be disposed of in accordance with local statutory and environmental regulations. The information provided in this Technical Data Sheet is based on laboratory testing and practical experience. Jotech Paints makes no warranty regarding the results obtained and assumes no liability for improper use or application. Users should verify the suitability of the product for their specific purpose prior to use.

Disclaimer:

The information provided in this Technical Data Sheet is based on laboratory tests and practical experience and is true & accurate to the best of our knowledge at the time of issue. However, since the conditions of application, surface preparation, substrate variability, and environmental factors are beyond our control, no warranty, implied is given regarding the performance or suitability of the product for any particular purpose. If the product is being used other than the recommendations in this sheet without prior consulting to our Technical support team, the user should take accountability in this regard. We reserve the right to modify the product specifications without prior notice.