

Technical Data Sheet

JAZEERA EPOXY ZINC PHOSPHATE PRIMER

JI-61003

Description:

A high quality two-component polyamide cured epoxy primer, containing zinc phosphate pigment to protect steel from corrosion, giving excellent priming and adhesion to surface.

Recommended Use:

Recommended to use as primer for exterior and interior applications in a wide range of industrial structures on steel works, such as warehouses, steel structures, doors and fire fighting systems.

Characteristics:

- Excellent adhesion.
- Excellent resistance to corrosion.
- High resistance to salt, alkali and acid solutions.
- Very good resistance to solvents.
- Good dielectric property.

Physical Constants:

• Finish:	Flat	
• Color:	Grey , yellow and other limited colors.	
• Volume Solid:	50 ± 2 %	ASTM D2697
• Viscosity:	88 KU (mixed paint) @30±5°C.	ASTM D562
• Specific Gravity:	1.43	ASTM D1475
• DFT:	75 µm each coat.	
• Theoretical Spreading Rate:	6.7 m ² /L @ DFT 75 µm.	
• VOC:	444 g/ ltr.	

Surface Preparation:

- Remove all visible surface deposits such as grease, oils with suitable detergent per (SSPC-SP1).
- Remove salt and other contaminants by washing using high pressure fresh water.
- Any fabrication defects such as weld spatter, delamination, sharp edges and weld slag should be repaired prior to surface preparation.
- The surface must be prepared according to Sa 2½ (NACE No.2/SSPC-SP10).

Application Data:

Mixing ratio: By volume: Base : Hardener
8 : 1

Pot-life: 6 hours @ 25 °C.

Induction time: Nil.

Application Condition:

- Temperature during application should be more than (5°C).
- Surface temperature: at least (3°C) above dew point.
- Relative humidity: maximum 85%.

Painting System :

Primers: Jazeera Epoxy Zinc Phosphate Primer.

Topcoats: Overcoated with all kinds of epoxy and PU paints.

For other suitable topcoats, consult Jazeera TSD.

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Application Method and Thinning:

THINNER: Recommended Thinner is "Jazeera Thinner 507".

Application Method	Airless Spray	Air Spray
Thinning (by volume)*	(0-10)%	(20-30) %
Nozzle Orifice	0.015-0.021"	1.5- 1.8 mm
Nozzle Pressure	15 MPa (2100psi)	29.0-43.5 psi
Spray Angle	40-80°	50-80°

* Depends on the weather condition at work place.

** Recommended for stripe coat and small areas.

Film Thickness and Spreading Rate:

	Minimum		Maximum		Recommended	
	(μm)	mil	(μm)	mil	(μm)	mil
Dry Film Thickness (DFT)	50	2	100	4	75	3
Wet Film Thickness (WFT)	100	4	200	8	150	6
	m ² /l	ft ² /USgal	m ² /l	ft ² /USgal	m ² /l	ft ² /US gal
Theoretical Spreading Rate	10	401	5	200.5	6.7	268

Drying Time and Recoating:

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.

Temperature	@ 25°C	@ 30°C	@ 35°C	@ 40°C
Surface dry	15 min	15 min	10 min	10 min
Hard dry	2½ hrs	2½ hrs	2 hrs	2 hrs
Dry to recoat	30 min	28 min	20 min	15 min
Dry to recoat (maximum)	Unlimited	Unlimited	Unlimited	Unlimited
Full dry (cure not dry)	7 days	7 days	7 days	7 days

Note: All records given in the table are typical at: recommended film thickness, good ventilation and one coat system.

*The surface should be dry and clean prior to application. The best time to recoat is before previous coat is cured. If this time is exceeded, the surface may need to be roughened slightly.

Packing:

	Base	Hardener
Drum	16 Ltr	: 2 Ltr
Gallon	3.2 Ltr	: 0.4 Ltr

Shelf Life & Storage:

Shelf life : 12 months @ 25 °C.

Storage: The container should be kept in sealed, dry, cool, well ventilated place and stored in accordance with national regulations.

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Handling and Safety:

- Clean up: Use "Jazeera Thinner 507" for cleaning tools and in case of stains while application.
- Handling: Handle with care. Stir very well before use.
- Health and safety: Please read and follow the precautionary notices displayed on the container, and all caution statements on the MSDS of this product. During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapor should be strongly avoided. For spray application systems; applicator should wear protective clothing, gloves, also eye, skin and respiratory protection are always recommended. Keep away from reach of children.
- Ventilation: When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. In addition, respirators must be used by all applicator.
- Caution: This product contains flammable solvents, keep away from sparks and open flame. For information on LEL and TLV, please read the MSDS.
- Environmental safety: Please donate the leftover paint and packaging to your local authorized institution for usage or recycling purpose.
- Note: Wastes and empty containers should be disposed of in accordance with local regulations made under the Control of Pollution Act and the Environmental Protection Act.

Disclaimer:

To the best of our knowledge the technical data listed herein is true and accurate up to publication date and is subject to change without prior notice. User must contact Jazeera Paints Company to verify of any modifications before specifying or ordering the product. Thus, information given in this sheet is not intended to be exhaustive and any person using the product other than the recommendations in this sheet or without reverting to our Jazeera TSD, he should take his accountability in this connection.

As we are not capable to control the quality and the substrate's conditions as well as the factors that affect on using, or applying the product, so we never give any written or implied guarantee in these documents, but we guarantee our products to conform to Jazeera quality while we assume no responsibility for coverage, performance or injuries resulting from application. Liability "if any" is limited to replace the products mentioned above.