

Technical Data Sheet

JAZEERA EPO-RICH PRIMER

JI-61005

Description:

A high quality two-component polyamide-cured epoxy primer, pigmented with metallic zinc, for moderate to severe corrosive environments, it cathodically protects the underlying steel structure from corrosion.

Recommended Use:

Recommended to use for exterior and interior applications on steel surfaces as a primer for aggressive environments where excellent adhesion and sacrificial protection to steel is required, for offshore structures, bridges, petroleum, petrochemical and power plants.

Characteristics:

- Excellent corrosion protection to steel by sacrificial anodic property of metallic zinc pigments.
- Excellent adhesion to blast cleaned steel.
- Suitable for old zinc rich coatings and deteriorated galvanized steel.
- Suitable for maintenance and new construction steelwork.
- Meets SSPC paint specification no. 20.

Certificates

- Meets MPI standard # 20.

Physical Constants:

• Finish:	Flat	
• Color:	Grey	
• Volume Solid:	65% ,	ASTM D2697
• Zinc Dust Level:	85.5% in dry film	(Level 1 as SSPC paint specification no.20)
• Viscosity:	130 KU(mixed paint) @ 25°C,	ASTM D562
• Specific Gravity:	2.51 ,	ASTM D1475
• D.F.T:	50 μ each coat	
• Theoretical Spreading Rate:	13 m ² / ltr at 50 μ DFT	
• VOC Value:	273 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
4 : 1
- Pot-life: 40 min @ 50 °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 Epo-Rich Primer.
- Topcoats: Can be overcoated with all kind of epoxy and PU paints.
- For other topcoats, consult Jazeera TSD.

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Application Method and Thinning:

THINNER: Recommended thinner is "Jazeera Thinner 505".

Application Method	Airless Spray	Air Spray	Brush/Roller**
Thinning (by volume)*	(5)%	(15)%	(5)%
Nozzle Orifice	0.023-0.031"	1.5- 1.8 mm	N/A
Nozzle Pressure	15 MPa (2100psi)	29.0-43.5psi	N/A
Spray Angle	40-80°	50-80°	N/A

* 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)	40	1.6	100	4	50	2.0
Wet Film Thickness (WFT)	62	2.5	154	6.2	77	3
	m ² /l	ft ² /USgal	m ² /l	ft ² /USgal	m ² /l	ft ² /US gal
Theoretical Spreading Rate	16.25	652	6.5	261	13	521

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	30°C/86°F
Relative humidity	50%
Surface dry	30 min
Hard dry	5 hours
Dry to recoat, minimum	5½ hours
Dry to recoat, maximum*	-----
Full cure	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:

• Packing:	Packed in:	Base	Hardener
• Gallon		4 Ltr	: 1 Ltr
• Drum		16 Ltr	: 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 505" 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.