



DESCRIPTION:

"Al-Jazeera Epo-Mastic" is a two component surface tolerant, high build polyamide cured epoxy resin. It has a high abrasion resistance property.

RECOMMENDED USE:

As a self primed, surface tolerant or as an intermediate or top coat. Use for new construction and maintenance of structural steel, also can be applied as maintenance coating over existing coatings. Can be applied where excellent corrosion resistance and high dry film thickness is required. The following are some field applications to use in:

- Tanks, vessels and pipes, eq.; ballast, potable water tanks bilge and drainage pipes.
- Ships, offshore and marine structures, above and below water line hull areas, decks, super structures and multipurpose maintenance coating.
- Structural steels, equipment, masonry surfaces, bridges and chemical plants.

CHARACTERISTICS:

- Excellent self-priming properties.
- Excellent adhesion to tight rust and good adhesion to damp surfaces (steel and concrete).
- Good corrosion protection, salt and fresh water immersion resistance.

Physical Constants:

Finish:	Semi-gloss
Colour:	RAL catalogue
Volume Solid:	82% , ASTM D2697
Viscosity:	105 KU @ 31°C, ASTM D562.
Specific Gravity:	1.41, @ 25°C ASTM D1475
D.F.T:	160 µ each coat
Theoretical spreading rate:	5.12 m ² / ltr at 160 µ DFT
Full Cured:	7 days@ 25°C
VOC :	189 g/ ltr.

Surface Preparation:

PRE-CLEANING:

Remove all visible surface deposits such as grease, oils and soils with suitable detergent. Remove salt and other contaminants by washing using high pressure fresh water. Where necessary, work to remedy or alleviate design or fabrication defects such as weld spatter, and where required smooth weld seams and sharp edges before abrasive blasting.

NEW STEEL:

Refer to the pre-cleaning, the surface preparation should be treated in accordance with Sa 2½ (NACE No. 2/SSPC-SP 10) or Sa 2 (NACE No. 3/SSPC-SP 6). Intermediate or/and topcoat: The surface preparation should be treated for applying the primers as (Jaz Inorganic Zinc, Jaz Epo-Rich Primer...etc).

CONCRETE:

Remove all visible surface deposits such as grease, oils and soils by either steam or cleaning with detergents or chemicals. Abrasive blast cleaning to (NACE No.6/ SSPC-SP 13) will provide roughened and will remove laitance. Abrasive blasting also opens holes and voids so they can be sealed more effectively.

MAINTENANCE:

Refer to pre-cleaning, remove damaged areas using power tool cleaning to St 2 (SSPC-SP3) or by abrasive blasting to Sa 2 (NACE No. 3/SSPC-SP 6), but Sa 2½ (NACE No. 2/SSPC-SP 10) is preferable. As an alternative; use water jetting to WJ-2 (NACE No. 5/SSPC-SP 12).

SURFACE PROFILE:

Check the surface roughness using comparators :
ISO Comparator: Fine to Medium Grade (G) (28-85 µm), or Keane-Tator Comparator: 1.0 – 3.0 (G/S).

APPLICATION GUIDE:

Application Condition

The product should not be applied at temperatures below 5°C. Surface temperature must be a minimum of 3°C above dew point.

Relative humidity should not exceed 85%.

In confined areas good ventilation is required during application and drying.

Application Data

Mixing ratio: By volume: Base : Hardener
3 : 1

Pot-life: 2 hours @ 52 °C.

Induction time: Nil.

Paint System

Primers: Self-priming, Al-Jazeera Epo-Rich Primer, Jaz Inorganic Zinc Prime or any suitable of Al-Jazeera primers.

Topcoats: Can be overcoated with all kinds of epoxy and PU. For other suitable topcoats, consult Al-Jazeera TSD.

Application Method and Thinning:

THINNER: Recommended Thinner is "Al-Jazeera Thinner 505".

Application Method	Airless Spray	Air Spray	Brush/Roller**
Thinning (by volume)*	(0-5)%	(0-15) %	(0-5)%
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)	100	4	250	10	160	6.4
Wet Film Thickness (WFT)	122	4.88	305	12.2	195	7.8
	m ² /l	ft ² /USgal	m ² /l	ft ² /USgal	m ² /l	ft ² /US gal
Theoretical Spreading Rate	8.2	329	3.28	131.5	5.12	205

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 Al-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 Al-Jazeera TSD, he should take his accountability in this connection.



AL-JAZEERA EPO-MASTIC

Two component Epoxy Mastic

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	1½ hours
Hard Dry	10 hours
Dry to recoat, minimum	10 hours
Dry to recoat, maximum*	-----

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.

Handling and Safety :

Clean up: Use "Al-Jazeera Thinner 505" for tools cleaning and in case of spillage, absorb and dispose.

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.

Packing and Storage

Packing: Packed in: Base : Hardener
2.7 Ltr : 0.9 Ltr

Storage: Store indoors. Storage conditions are to keep the container in sealed container in a dry, cool and well-ventilated place.

Storage temperature: (5-42) °C / (41-108) °F.
Storage humidity:(0-95)% relative humidity.
Shelf life : 1 year at 25 °C (77 °F).