

Technical Data Sheet

JAZEERA EPOXY SEALER

JI-61009

Description:

A high quality two-component epoxy sealer based on polyamide cured epoxy resin.

Recommended Use:

Recommended to use as a sealer coat for exterior and interior applications on concrete and cement surfaces for walls and floors.

Characteristics:

- Excellent adhesion with concrete and cement surfaces.
- Excellent salt and alkali resistance property.
- Excellent sealing property.

Physical Constants:

• Finish	Semi-gloss.	
• Color	White and gray.	
• Specific Gravity	1.40	ASTM D1475
• Viscosity	96 KU	ASTM D562
• Volume Solid	60%	ASTM D2697
• D.F.T.	(50 – 100) μ .	
• Theoretical Spreading Rate*	12 m ² /L @ D.F.T. 50 μ .	
• VOC	427 g/L	

Tests:

• Hardness:	Pass, 4 H Pencil.	ASTM D3363.
• Scratch Resistance:	Pass, 1 Kg.	ASTM D5178.
• Bending:	Pass, 3 mm. Diameter.	ASTM D522.
• Adhesion:	Pass	ASTM D3359.
• Water Resistance:	Pass	ASTM D870.
• Chemical Resistance:	Pass	ASTM D1308.
• Flash Point:	28°C	

*The practical spreading rate of the product depends on the surface, ambient temperature, application method, actual DFT and the wasted amount.

(To avoid waste, be sure to buy the right amount of the paint for the required surface area).

Surface Preparation:

- All new surfaces must be cured at least for 28 days prior to application.
- The concrete substrate should be sound with minimum compressive strength 30 N/mm² and pull off strength 1.5 N/mm².
- Make sure that the surface is clean, dry, free from dust, oil, grease, salt, mold, all forms release agents / curing and old paint.
- the surface should be prepared by light grit blasting or surface grinding to achieve concrete surface profile CSP2-3 as per International Concrete Repair Institute ICRI. No 310.2 / SSPC - SP 13 or NACE 6
- Remove dust from the surface by vacuum machine.
- Fill the holes and cracks with suitable fillers "Jazeera Epoxy Crack Filler 400" prior to application.

Application Tools:

Roller: Recommended type: short naps roller (3/8 inch) suitable types for epoxy.

Brush: A stiff nylon brush. recommended for narrow areas.

Application Conditions:

- Temperature during application should be more than (5°C).
- Surface temperature: at least (3°C) above dew point.
- Relative humidity: maximum 85%.
- Concrete moisture content should not exceed than 4%.



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Thinner:

Recommended thinner is "Jazeera Thinner 505".

Thinning Ratio:

0-5% (by volume).

MIXING:

mixing ratio:

By volume:	Base	:	Hardener
	3		1

Mixing procedure:

- Stir base by using a low speed mechanical stirrer.
- Pour hardener into component A.
- Mix the two components continuously for 2 minutes until a homogenous mixture and uniform color obtained.

POT-LIFE: 6 hour@ 25°C.

The mixture should be used within this potlife time.

Application Instructions:

- Do not apply on wet and moistened surfaces until they are completely dry.
- PH of surface should not exceed 9.
- Holes and crack should be assessment and treated by using "Jazeera Epoxy Crack Filler 400".
- Concrete damages should be repaired before application.
- Rough and irregular surfaces need to be leveled by using screed mortar products, depending on surface irregularities.
- Freshly applied paint should be protected from water and damp at least 24 hours.

Painting System:

- Apply one coat of "Jazeera Epoxy Sealer".

Can be applied with all types of epoxy & PU paints.

Drying Time:

- | | |
|----------------------|---------------------|
| • Surface dry | 2 hours. |
| • Recoating Interval | 12 hours. (minimum) |
| | 7 days. (maximum) |
| • Full cure | 7 days. |

All above drying time tested according to ASTM D5895 @25°C

Packing:

	Base	Hardner
• Gallons:	2.70 Ltr.	0.90 Ltr.
• 18 Ltr. Drum.	13.50 Ltr.	4.50 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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Safety Precautions:

- Clean up: Use "Jazeera Thinner 507" 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.

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.