

Technical Data Sheet

JAZEERA EPOXY EGGSHELL WB

JI-66006

Description:

A high performance two-component waterborne epoxy eggshell topcoat paint, based on epoxy resin dispersion and polyamine adduct curing agent, characterized by high hardness, durability, very good resistance chemicals and water, in addition to flame spread resistance.

Recommended Use:

Recommended to use as a topcoat for general propose in interior applications on concrete and steel surfaces of factories, buildings, laundries, electric rooms, etc.

Characteristics:

- Very low VOC content.
- High resistance to fungal and bacterial growth.
- Flame spread resistance.
- Excellent resistance to solvents and chemicals.
- Very good resistance to salt, alkali and acid solutions.
- Very good resistance to water.
- High hardness.
- Good flexibility and impact resistance.

Physical Constants:

• Finish:	Eggshell.	
• color:	White & other colors as per Jazeera color card	
• Volume Solid:	43 %.	ASTM D2697
• Viscosity:	80 -90 KU (Mixed Paint).	ASTM D562
• Specific Gravity:	1.33 (Mixed Paint).	ASTM D1475
• DFT:	75 µ.	
• Theoretical Spreading Rate:	5.73m ² /L at DFT 75 µ.	

Tests:

• VOC	41.8 g/L	SCAQMD Rule 1113	METS - UAE.
• VOC Emission After Application	Pass	LEED Requirements - Ver.4	METS - UAE.
• Tensile Strength:	1.64 MPa	ASTM D2370-16 (2021)	METS - UAE.
• Elongation at break:	40.1%	ASTM D2370-16 (2021)	METS - UAE.
• Abrasion Resistance:	98.3 mg/1000 cycles	ASTM D4060-25	METS - UAE.
• Impact Resistance:	Pass	ISO 6272-1:2011	METS - UAE.
• Chemical Resistance:	Pass	ASTM D543-21	METS - UAE.

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

Surface Preparation:

For concrete surfaces:

- All new surfaces shall be cured at least 28 days prior to application of the primer.
- Remove old paints completely from previously painted surfaces .
- The substrate should have sufficient strength and free from unsounded areas, pug holes, protrusions and pops.
- Make sure that the surface is clean, dry, free from dust, oil, grease, salt and mold .
- Fill the holes and cracks with suitable fillers such as "Jazeera Ultimate", "Jazeera Unique Filler" or "Jazeera Epoxy Crack Filler 400" prior to application of the primer (Refer to TSD).

For steel surfaces:

- Remove all visible surface deposits such as grease, oils with suitable detergent per (SSPC-SP1).
- Remove salt and other ontaminants 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).

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Application Guide:

- The required temperature during application, must not be less than 5°C; the surface moisture should not exceed 8% and the relative humidity at work place should not exceed 70%.
- PH of surface should not exceed 9.
- Paint should be stirred carefully before use.
- A suitable quantity of " Tap water " can be added to get reasonable viscosity for application.
- Do not apply on wet and moistened surfaces until they are completely dry.
- The mixed paint should be used within potlife.
- Do not apply the next coat unless the previous one is fully dry. Minimum recoating interval time should be given between the two coats.
- Adequate ventilation should be provided during application and drying time.

Application Tools & Thinning Ratio:

- Air spray Nozzle size: (1.5 – 1.8) mm.
- Airless spray Nozzle size : 0.015 mm. (approximately).
- Roller / Brush.

Thinner:

Recommended thinner is water.

Thinning Ratio:

- (15 – 25) % by volume for air spray.
- (0 – 10) % by volume airless spray.
- (10 – 15) % by volume for roller and brush.

Mixing:

By volume:	Base	Hardener
	1	3

POTLIFE:

2 hours at 25 ° C.

Induction Time:

15 min at 25 ° C.

Painting System:

- For steel surfaces:
 - Primer: Apply one coat of suitable epoxy primer.
 - Topcoat: Apply two coats of "Jazeera Epoxy Eggshell WB" .
- For concrete or cement walls:
 - Primer: Apply one coat of "Jazeera Green Prime" or any other suitable primer from Jazeera Paints.
 - Intermediate: Apply two coats of "Jazeera Green Putty" (if required).
 - Topcoat: Apply two coats of "Jazeera Epoxy Eggshell WB" .

Drying Time:

- Surface dry 2 hours.
- Hard dry 8 hours.
- Recoating interval 8 hours (minimum).
7 Days (maximum) .
- Full cure 7 Days.

All above results according to ASTM D5895.

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Cleaning Tools:

Tap water.

Packing:

- | | | |
|--------------|----------|-----------|
| • Packed in: | Base | Hardener |
| • Drum | 4.5 Ltr. | 13.5 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.

Handling and Safety:

Please read and follow the precautionary notices displayed on the container, and all caution statements on the MSDS of this product.

Handle with care before and during use.

During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapour, should be strongly avoided.

When working with paint in in-sufficient ventilated areas, forced ventilation should be provided.

For spray application system, eye, skin, respiratory protection are always recommended.

Keep away from the reach of children.

For environmental safety: please donate the leftover paint.

and packaging to your local authorized institution for usage or recycling .

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.