

## Technical Data Sheet

### JAZEERA EMPROR

### JA-15003

#### Description:

An excellent quality matt finish paint based on acrylic emulsion. It provides excellent brightness, weather resistance and outdoor durability.

#### Recommended Use:

Recommended to use as a topcoat on concrete, cement, gypsum, hard board and brick surfaces for exterior applications. It is highly recommended for that area where weather resistance is very important. Also, it can be applied for interior applications.

#### Characteristics:

- Excellent resistance to weather conditions.
- Excellent resistance to UV.
- Excellent hiding and adhesion.
- Good color retention.
- Excellent resistance to scrub and water.
- Excellent whiteness.
- Smooth and leveling property.
- Ultra low VOC and extremely low odor.
- Formulated without APEOs, formaldehyde and ammonia.

#### Physical Constants:

• Finish:	Matt.	
• Color:	White color.	
• Specific Gravity:	1.43 @ 25°C.	ASTM D1475
• Viscosity:	110 KU @ 25°C.	ASTM D562
• Volume Solid:	36 %.	ASTM D2697
• D.F.T.:	40 µ each coat.	
• Theoretical Spreading Rate:	9 m <sup>2</sup> /L @ D.F.T. 40 µ	
• Hiding:	Above 97@W.F.T. 100 µ	
• Scrub Resistance:	Above 1600 cycle, (Non abrasive scrub media by sponge pad)	ASTM D2486
• Water Resistance:	Pass, 7 days,	ASTM D870
• Alkali Resistance:	Pass 7 days (1% solution)	ASTM D1308
• Salt Resistance:	Pass 7 days (1.5% solution)	ASTM D1308
• Adhesion:	Pass,	ASTM D3359
• Flexibility:	Pass 3 mm Diameter,	ASTM D522
• Freeze-Thaw Stability:	Pass 3 cycles,	ASTM D2243
• Heater Stability:	Pass 49 days at 50°C.	ASTM D1849

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

#### Surface Preparation:

- All new concrete surfaces must be cured at least for 28 days prior to application of the primer.
- For previously painted surfaces remove old paint completely.
- The substrate should have sufficient strength and free from unsound areas, pug holes, protrusions and pops.
- Make sure that the surface is clean, dry, free from dust, oil, grease, salt, mold and all forms of release agents / curing.
- Fill the holes and cracks with suitable fillers "Jazeera Ultimate", "Jazeera Unique Filler" or "Jaz Epoxy Crack Filler ESP" prior to application of the primer (Refer to TSD).

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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 surface until completely dry.
- Do not apply the next coat unless the previous one is fully dry.
- Minimum recoating interval time should be followed.
- Adequate ventilation should be provided during application and drying time.

#### Application Tools:

Airless Spray: Excalibur

Nozzle orifice : "0.017-0.021"

Nozzle pressure : 15 MPa ( 2100psi)

Spray angle : 40-60°.

Spray Gun: Recommended nozzle size: (1.5 – 1.8) mm.

Roller: Soft and smooth roller

(Recommended type: Dekor Nardeen 8009 - code: 1093).

Brush: General / Normal type.

#### Thinner:

Recommended thinner is "Tap Water".

#### Thinning Ratio:

- (0-10) % by volume for airless spray applications.
- (20 - 30) % by volume for spray gun applications.
- (10 - 20) % by volume for roller & brush applications.

Depends on the weather conditions at work place.

#### Painting System:

For exterior applications:

- Apply one coat of "Jazeera Royal Prime" or any other suitable type of Jazeera Paints primers, depending on surface and leave for full dry.
- Apply two coats of "Jazeera Emperor".

For interior applications:

- Apply one coat of "Jazeera Green Prime" or any other suitable type of Jazeera Paints primers and leave for full dry.
- Apply two coats of "Jazeera Green Putty".
- Apply two coats of "Jazeera Emperor".

#### Drying Time:

- Surface dry 30 minutes.
- Full dry 2 hours.
- Recoating interval 4 hours. (minimum)

All above results according to ASTM D5895 @ 25°C.

#### Cleaning Tools:

Tap water.

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**Shelf Life & Storage:**

Shelf life : 24 months @ 25 °C.

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

**Safety Precautions:**

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.
- Recommended to use the product in well-ventilated area when applying the paint in insufficient ventilated areas, forced ventilation should be provided.
- 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 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.