

Technical Data Sheet
JAZEERA ROYAL SEMI GLOSS
JA-17013

Description:

A high quality water borne semi-gloss topcoat paint, based on pure acrylic emulsion. It provides excellent weather resistance and outdoor durability.

Recommended Use:

Recommended to use for exterior applications on concrete, cement, and brick surfaces, for educational institutions, residential, commercial, industrial buildings. Also it can be applied over textures,

Characteristics:

- Excellent resistance to UV and weather conditions.
- Excellent adhesion.
- Resistance to dirt pick up.
- High Anti-Carbonation Property
- Excellent color retention.
- High smooth and leveling property.
- Resistance to bacteria inside can.
- Very Low VOC.
- Free from formaldehyde, ammonia and APEOs.

Certificates:

- Complies with the SASO standard GSO 2582:2022.

Physical Constants:

| | | |
|-------------------------------|---|------------|
| • Finish | Semi gloss. | |
| • Color | White and other colors of Jazeera color card. | |
| • Gloss | (25-40) at an angle of 60° | ASTM D523 |
| • Specific Gravity | 1.24 | ASTM D1475 |
| • Viscosity | 100±5 KU | ASTM D562 |
| • Volume Solid | 36 %. | ASTM D2697 |
| • D.F.T. | 40 µ, each coat. | |
| • Theoretical Spreading Rate* | 9 m ² /L at D.F.T40 µ, | |

Tests:

| | | | |
|----------------------------------|--------------------------|---------------------------|----------------|
| • Water Resistance | Pass, | ASTM D870 | |
| • Alkali Resistance | Pass, | ASTM D1308 | |
| • Salt Resistance | Pass, | ASTM D1308 | |
| • Adhesion | Pass. | ASTM D3359 | |
| • Flexibility | Pass, 3 mm Diameter. | ASTM D522 | |
| • Freeze-Thaw Stability | Pass, 3 cycles. | ASTM D2243 | |
| • Storage Stability | Pass, 30 days at 52°C. | ASTM D1849 | |
| • VOC | 3.7g/ltr (@ 280°C) | ASTM D6886 | DCL - UAE |
| • VOC Emission After Application | Pass | Leed Requirements - Ver.4 | Intertek , USA |
| • MPI | Meets MPI Standard # 11. | | |

*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).

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Surface Preparation:

- 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).

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 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.

Application Tools:

- Airless spray:
 - Nozzle orifice : **0.015-0.019"**
 - Nozzle pressure : **15 MPa (2100psi)**
 - Spray angle : **40-60°**
- Air spray : Nozzle size: **(1.5 - 1.8) mm**.
- Roller: Soft and smooth roller
(Recommended type: Dekor Nardeen **8009** - code: **1093**)
- Brush: Suitable type.

Thinner:

"Tap Water".

Thinning Ratio:

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

All above depends on the weather and application conditions.

Painting System:

- Apply one coat of "**Jazeera Royal Prime**" or any other suitable type of Al-Jazeera primers, depending on the surface nature and let it to dry.
- Apply two coats of "**Jazeera Royal Semi Gloss**".

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Drying Time:

- Surface dry: **1 hour.**
- Hard dry **4 hours.**
- Recoating interval **8 hours (minimum).**
- Full cure: **7 days.**

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

Cleaning Tools:

Tap water.

Packing:

Can 1L.

Gallon 3.65 L.

Drum 18 L.

Bases: 0.9L - 3 L. - 16.2 L (Tintable bases by coloring machine).

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.