

Technical Data Sheet
JAZEERA ROYAL PRIME
JA-11021

Description:

A high quality, water borne primer based on special acrylic copolymer emulsion, for exterior applications, It has an excellent resistance to alkali and weather conditions, as well as ultra low VOC content.

Recommended Use:

Recommended to use for exterior applications as a primer on concrete, cement, gypsum and brick surfaces of educational institutions, residential, commercial and industrial buildings. It provides a complete system with good adhesion and high durability.

Characteristics:

- Excellent penetration into substrate.
- High resistance to alkalinity.
- Excellent adhesion to surfaces and subsequent coats.
- Excellent water resistance.
- Excellent resistance to different weather conditions.
- High durability.
- Fast drying.
- Ultra low VOC content.
- Free from formaldehyde, ammonia and APEO.

Certificates:

- In accordance with SASO standard No.: 2060/ 2018.

Physical Constants:

• Finish	Matt.	
• Color	White and other colors as per Jazeera Color Card.	
• Specific Gravity	1.46	ASTM D1475.
• Viscosity	100 KU	ASTM D562.
• Volume Solid	36 ±2 %	ASTM D2697.
• D.F.T.	25-35 μ	
• Theoretical Spreading Rate*	(10.3 - 14.4) m ² /L.	

Tests:

• Water Resistance	Pass	ASTM D870.	
• Alkali Resistance	Pass	ASTM D1308.	
• Salt Resistance	Pass	ASTM D1308.	
• Adhesion	Pass	ASTM D3359.	
• Flexibility	Pass, 6 mm. Diameter	ASTM D522.	
• Freeze-Thaw Stability	Pass, 3 cycles	ASTM D2243.	
• Heater Stability	Pass 49 days at 50°C.	ASTM D1849.	
• VOC content	<1 g/L	ISO 11890-2:2020	METS, UAE
• VOC Emission After Application	Pass	LEED Requirements - Ver.4	METS, UAE
• MPI	Meets MPI Standard # 3.		

*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 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.

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- 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.

Application Tools :

- Air spray : Nozzle size: (1.5 - 1.8) mm.
- Roller: Soft and smooth
- Brush: Suitable type.

Thinner:

Tap Water.

Thinning Ratio:

(15 - 25)% by volume for air spray.

(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".

-Apply any exterior water based paint from Jazeera Paints.

Drying Time:

- Surface dry 30 minutes.
- Hard dry 2 hrs.
- Recoating interval 4 hrs. (minimum)
- Full cure 7 days.

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

Cleaning Tools:

Tap water.

Packing:

US Gallon.

Drum: 18 Ltr.

Gallon : Base 3L (Tintable by color machine)

Drum : Base 16.2L (Tintable by color 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.

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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.