

Technical Data Sheet
JAZEERA MAXIM SILK
JA-16053

Description:

A high performance silk topcoat emulsion paint, based on special type of acrylic polymers by innovated technology to provide sunlight reflective property and reduce indoor temperature of buildings, with superior adhesion, high durability, good resistance to dust and dirt pick-up, harsh weather conditions in the Middle East, with high color and gloss retention to make surfaces have long lasting protection.

Recommended Use:

Recommended to use for exterior applications with soft touch, when high protection and beauty is recommended on concrete, cement, hardboard and brick surfaces of educational institutions, residential, commercial, industrial buildings. Also it can be applied over textures.

Characteristics:

- Self priming with high adhesion.
- Excellent reflector to sunlight.
- Reduces indoor temperature.
- Flexible.
- Super ease of application.
- Excellent penetration into substrate.
- Extreme hiding.
- Hide spider net cracks.
- Excellent color retention.
- Excellent resistance to UV and harsh weather conditions.
- High resistance to acid rain, salt and alkali.
- Super resistance to rain water traces.
- Good resistance to dust and dirt pick-up.
- Excellent flow and leveling.
- High spreading rate.
- Excellent hardness and durability.
- Ultra low VOC and extremely low odor.
- Free from formaldehyde, ammonia and APEOs.
- Resistance to bacteria inside can.

Physical Constants:

• Finish	Silk.		
• Color	White and other colors of Jazeera color card.		
• Gloss	10-35 @ an angle of 85°		ASTM D523
• Specific Gravity	1.26		ASTM D1475
• Viscosity	90 KU		ASTM D562
• Volume Solid	43 %.		ASTM D2697
• D.F.T.	40 μ, each coat.		
• Theoretical Spreading Rate	10.75 m ² /L @ D.F.T. 40 μ.		

Tests:

• 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.		ASTM D2243
• Solar Reflectance	74%		ASTM C 1549-16 METS-UAE
• Thermal Emittance	0.88		ASTM C 1371-15 METS-UAE
• SRI for low wind convective coefficient (hc=5) Roof surface temperature 54.6°C	90		ASTM E1980-11 METS-UAE
• SRI for medium wind convective coefficient (hc=12) Roof surface temperature 48.0°C	91		ASTM E1980-11 METS-UAE
• SRI for high wind convective coefficient (hc=30) Roof surface temperature 42.5°C	92		ASTM E1980-11 METS-UAE

Technical Data Sheet
JAZEERA MAXIM SILK
JA-16053

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.

Application Tools:

- 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:

- (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:

- For plain finish:
 - Apply two coats of "**Jazeera Maxim Silk**".
 - For smooth precast and brick surface, it is recommended to apply one coat of "Jazeera Blocking Primer" or any other suitable primer from Jazeera Paints
- For texture finish:
 - Apply one coat of "Jazeera C Primer" or "Jazeera Blocking Primer" or any other suitable primer from Jazeera Paints, depending on the surface nature and let for full dry.
 - Apply one coat of any texture topcoat from Jazeera Paints.
 - Apply two coats of "**Jazeera Maxim Silk**".

Drying Time:

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

All above results according to ASTM D-5895.

Cleaning Tools:

Tap water.

Technical Data Sheet
JAZEERA MAXIM SILK
JA-16053

Packing:

US Gallon.

18 Ltr Drum.

Gallon: Base 3 (Tintable base by tinting machine).

Drum: Base 16.2 (Tintable base by tinting 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.
- 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.