دهانات الجزيـرة
Jazeera Paints

Technical Data Sheet
JAZEERA GREEN ANTI-MICROBIC
JA-16058

Description:
High quality silk emulsion paint, based on special type acrylic copolymer emulsion designed to provide exceptional properties with excellent resistance to microbes.

Recommended Use:
Recommended to use as a final coat for interior applications on concrete, cement, gypsum and brick surfaces, in hospitals, operation theatres, clinics, children rooms, bedrooms, dining halls, microbiological laboratories, etc. It is specially recommended where antimicrobial and fungal properties is required.

Characteristics:
- Outstanding hiding power.
- Excellent resistance to microbes' growth (bacteria & fungi).
- Excellent washability with water and detergent.
- Excellent resistance to house hold chemicals.
- Excellent color retention.
- Excellent adhesion.
- Superior smoothness and leveling.
- Ultra low VOC and extremely low odor.
- Formulated without APEOs, formaldehyde and ammonia.

Physical Constants:

• Finish	Silk	
• Color	White and other colors as per Jazeera color card.	
• Specific Gravity	1.25 @ 25°C.	ASTM D1475
• Viscosity	95 KU @ 25°C.	ASTM D562
• Volume Solid	35 ± 2 %	ASTM D2697
• DFT	35 µ each coat	
• Theoretical Spreading Rate*	10 m^2/L.	

Tests:

• Pull-Off Adhesion	477.5 psi	ASTM D7234	
• Applicability (Flow & Leveling)	(Brush - Roller): 8	ASTM D7073	
• Opacity (Hiding Power)	@150 µm: 96	ASTM D2805	
• VOC	< 1.0 g/L	ASTM D2369 / D3960	
• Scrubbility	Pass 450 Cycles	ASTM D2486	
• Washability	Pass	ASTM D4828	
• Antimicrobial activity	Pass	JIS Z 2801:2010	AM Solutions - Poland
• Fungal resistance	Pass	BS 3900:Part G6	AM Solutions - Poland
• VOC Emission After Application	Pass	LEED Requirements - Ver.4	Intertek , USA

*The practical spreading rate of the product depends on the surface, ambient temperature, application method, actual thickness of the dry coat of the product and the wasted amount. (to avoid waste, be sure to buy the right amount of the paint for the surface area required)

Issued: 2021

Technical Data Sheet
JAZEERA GREEN ANTI-MICROBIC
JA-16058

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 "Jaz Epoxy Crack Filler ESP" prior to application of the primer (Refer to TSD).
• If there are large meanders in the surface, they should be leveled by using "Jazeera Matrix".

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 reason-able viscosity for application.
• Do not apply on wet and moistened surfaces until they are completely dry.
• Do not apply the next coat unless the previous one is fully dry. Minimum recoating interval time should be givenbetween the two coats.
• Adequate ventilation should be provided during application and drying time.

Application Tools:
•Airless spray:
Nozzle orifice : 0.015-0.021"
Nozzle pressure : 15 MPa (2100psi)
Spray angle : 40-80°
•Spray gun : Recommended nozzle size: (1.5 – 1.8) mm.
•Roller: Soft and smooth roller
(Recommended type: Dekor Nardeen 8009 - code: 1093)
•Brush: Recommended type.

Thinner:
• Tap water.

Thinning Ratio:
(0 – 10)% by volume for airless spray gun applications.
(10 – 15)% by volume for spray gun applications
(10 – 15)% by volume for roller & brush applications.
It depends on the weather conditions at work place.

Painting System:
• Primer: apply one coat of "Jazeera Green Prime" .
• Intermediate: apply two coats of "Jazeera Green Putty".
• Topcoat: apply two coats of "Jazeera Green Anti-Microbic ".

Drying Time:

• Surface dry	30 minutes.
• Hard dry	4 hours.
• Recoating interval	8 hours. (minimum)
• Full cure:	7 days.

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

Cleaning Tools:
• Tap water

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Packing:
- US Gallon.
- 18 Ltrs. Drum.
- Gallon: Base 3 Ltr.
- Drum: Base 16.2 Ltr.

Shelf Life & Storge:
Shelf life : 24 months @ 25 °C.
Storage: The container should be sealed and kept in dry, cool & well-ventilated place and stored in accordance withnational 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.