

Technical Data Sheet
JAZEERA GREEN CARE
JA-16056

Description:

Classy water borne paint based on unique 100% pure acrylic polymer, characterized by resistance to microbes, best scrub resistance, ease of application, high flexibility which offers crack bridging ability in addition to flame spread resistance.

Recommended Use:

Recommended to use as a finish coat for interior applications on concrete, cement, gypsum, hardboard and brick surfaces, where outstanding scrub resistance and flexibility with hygiene property are required such as hotels, hospitals, airports, schools, houses, palaces, malls and residential complexes.

Characteristics:

- Outstanding scrub resistance.
- Outstanding flexibility.
- Crack bridging ability.
- Excellent resistance to microbes' growth (bacteria & fungi).
- Flame spread resistance.
- Hygienic and odorless.
- Excellent adhesion.
- Superior hiding power.
- Perfect leveling and smoothness.
- Formulated without VOC, formaldehyde, ammonia and APEOs.

Physical Constants:

• Finish:	Silk.	
• Color:	White and other colors of Jazeera color card.	
• Specific Gravity	1.28 @ 25°C.	ASTM D1475
• Viscosity	105 KU @ 25°C.	ASTM D562
• Volume Solid	42 %.	ASTM D2697
• Theoretical Spreading Rate	7.0 m ² /L at D.F.T. 60μ	
• Freeze-Thaw Stability	Pass, 3 cycles	ASTM D2243
• Heater Stability	Pass, 30 days at 50°C.	

Tests:

• Water Resistance	Pass, 7 days	ASTM D1735-04	
• Alkali Resistance	Pass,7days(5% solution)	ASTM D1308-02	
• Salt Resistance	Pass,7days(1.5%solution)	ASTM D1308	
• Adhesion	Pass	ASTM D3359-2	
• Flexibility	Pass, 6mm.diameter	ASTM D522-93a	
• Crack bridging ability	Pass	DIN 1062-7:2004	Dortmund University - Germany
• Anti-bacterial	Pass	JIS Z 2801:2010	AM Solutions-Poland
• Fungal Resistance	Pass	BS 3900: PART G6	AM Solutions-Poland
• Flame Spread Resistance	Class 1	BS 476: Part 7	Exova-Warringtonfire UK
• Scrub Resistance	Pass more than1400 cycles Pass 30000 cycles (MPI)	ASTM-2486	
Crack-Bridging Method A Category A2	DIN EN 1062 - 7 (23°C & V = 0.05 mm / min.) Crack - Bridging up to 0.32 mm @ DFT = 200 μm. Crack - Bridging up to 0.37 mm @ DFT = 225 μm. Crack - Bridging up to 0.63 mm @ DFT = 250μm. Crack - Bridging up to 0.85 mm @ DFT = 300μm. Crack - Bridging up to 1.06 mm @ DFT = 350μm.		Dortmund University - Germany

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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 "Jaz Epoxy Crack Filler ESP" 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.

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	:	General / Normal type.	

Thinner:

Tap water.

Thinner Ratio:

- (0 -10) % by volume for airless spray gun applications.
 - (15 - 25) % by volume for spray gun applications.
 - (10 -15) % by volume for roller & brush applications.
- Depends on the weather conditions at work place.

Painting System:

For Interior Surfaces:

- Apply one coat of "Jazeera Green Prime ".
- Apply two coats of "Jazeera Green Putty" .
- Apply two coats of "Jazeera Green Care".

Drying Time:

- Surface dry 1 hr.
- Hard dry 4 hrs.
- Recoating Interval 8 hrs. (minimum)
- Full cure 7 days.

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

Cleaning Tools:

Tap water.

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Packing:

1 US Gallon.

18 Ltrs. Drum.

Gallon: Base 3 Ltr.(tintable base by coloring machine).

Drum: Base 16.2 Ltr.(tintable base 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.