

DESCRIPTION:

A low VOC, high quality silky finish emulsion paint. It has an ambient temperature cross-linking technology to offer excellent properties for all weather conditions and long lasting. It gives very good opacity, superior finish with excellent resistance to microbial growth including bacteria, molds and mildews. The cornerstone of this product technology is silver, a naturally occurring and highly effective antimicrobial agent.

RECOMMENDED USE:

As a finish coat on concrete, cement, gypsum and brick surfaces for interior applications,

Following are some fields applications to use in:

- Hospitals: specially operating theaters, clinics, ICU and CCU.
- Food, drugs and water manufacturing: production halls, laboratories and stores etc.
- Laboratories: microbiological laboratories etc.
- Hotels and restaurants: Dining halls, kitchens etc.

CHARACTERISTICS:

"Al-Jazeera Antimicrobial Agion" has the following features:

- Naturally clean and safe antimicrobial properties of silver built right into the product without using unsafe synthetic or chlorinated chemicals. It has no toxic effect on people, animals or plant life and is approved for food contact.
- Silver kills a broad spectrum of bacteria, yeast, fungi and molds.
- Excellent washability by water and detergent, so far it is easy to clean.
- Low VOC (Volatile Organic Components) - (Low Odor).
- Smooth and silky finish.
- Excellent resistance to house hold chemicals.
- Excellent adhesion, hardness and durability.
- Formaldehyde free.

CERTIFICATES :

Tested and approved by "Agion Nature's Antimicrobial" 99.81% reduction of the MRSA bacteria.
-Cradle to Cradle silver certification for the Agion antimicrobial additive.

PHYSICAL CONSTANTS:

Finish:	Semi-flat, silky finish
Colour:	Produces in white color and other colors in Al-Jazeera Paints color card
Specific Gravity:	1.28 At temperature of 25°C. ASTM D1475.
Viscosity:	95 KU @ 31°C (ASTM D562)
Volume Solid:	42% (ASTM D2697)
D.F.T.:	40 µ each coat.
Theoretical Spreading Rate:	10.50 m ² /L (421.1 ft ² /US gallon) at D.F.T. 40 µ. (To avoid waste, be sure to buy the right amount of the paint for the surface area required).
Sagging:	200 µ, ASTM D4400.
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 at 50°C.

SURFACE PREPARATION:

New surfaces

- All new surfaces must be cured at least for 30 days prior to application of the primer.
- The surface must be treated by removing all forms release and protrusions to get a suitable surface for application.

For previously painted surfaces:

- Remove old paint from surfaces completely.
- Make sure that the surface is clean , dry , free from dust, oil, grease, salt and mold.
- Fill the holes and cracks with suitable fillers "Al-Jazeera Crack Filler" prior to application of the primer.

APPLICATION GUIDE:

- 1.The surface must be removed from dust , grease, oil and other contaminants completely.
- 2.Surface temperature required during application must not be less than 10°C; the surface moisture should not exceed 8% and the relative humidity at work place not to exceed 70%.
- 3.Maximum pH of 9.
- 4.Paint should be stirred carefully before use.
- 5.A suitable quantity of water can be added to get reasonable viscosity for application.
- 6.Do not apply on wet and moistened surfaces until get completely dry.
- 7.Do not apply the next coat unless the previous one is fully dry. Minimum recoating interval time should be given between the two coats.
- 8.Adequate ventilation should be provided during drying time.

APPLICATION TOOLS:

Spray gun: Recommended nozzle size: (1.5 – 1.8) mm.

Roller: Recommended type: Soft and smooth woolen roller.

Brush: General / Normal type.

Airless spray: Larius – excalibur

Nozzle orifice: 0.017 - 0.021"

Nozzle pressure : 15 MPa (2100psi)

Spray angle : 40 - 80°

THINNER:

Recommended thinner is "Tap Water".

THINNING RATIO:

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

PAINTING SYSTEM:

Apply one coat of "Al-Jazeera Primex" or any other suitable type of Al-Jazeera primers, depending on surface and leave for full dry.

-Apply two coats of "Al-Jazeera Easy Putty".

-Apply two coats of "Al-Jazeera Antimicrobial Agion".

AL-JAZEERA ANTIMICROBIC AGION

JA-16023

DRYING TIME:

Surface dry: 1 hour.
Full dry: 4 hours.
Recoating interval : 8 hours.(minimum)
All above results according to ASTM D5895@ 25°C.

CLEANING TOOLS:

Tap water.

PACKING:

1 US Gallon.
18 Ltrs. Drum.

SHELF LIFE:

In sealed container: 12 months in a dry, cool and well ventilated place.

SAFETY PRECAUTIONS:

During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapour, should be strongly avoided. 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 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

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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 Al-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 Al-Jazeera TSD, he should take his accountability in this connection.