

Technical Data Sheet

JAZEERA CLEAR VARNISH

JA-38003

Description:

A one component solvent based alkyd resin topcoat paint, it designed to provide excellent sealing, leveling and gloss retention, that gives protection and stained appearance for wooden surfaces.

Recommended Use:

Recommended to use as a gloss topcoat for interior applications, it is a clear or pigmented by dyes that keeps shape and beauty of wooden surfaces such as doors, windows and furniture.

Characteristics:

- Excellent sealant and penetration into wooden substrate.
- High protection to wooden surfaces.
- Very good gloss retention.
- Excellent leveling property.
- Easy to clean with water and soft detergents.
- Gives the wooden surfaces shiny appearance.
- It saves efforts cost and time required for application.

Physical Constants:

• Finish:	Gloss.	
• Gloss:	Above 90 at 60°,	ASTM D-523.
• Color:	Clear and as per product catalog .	
• Volume Solid:	42 %.	ASTM D2697.
• Viscosity:	90 KU @ 25 °C,	ASTM D562.
• Specific Gravity:	0.88, @ 25 °C (According ASTM D1475).	

Tests:

• Hardness:	Pass, 2 H Pencil,	ASTM D3363.
• Scratch Resistance:	Pass, 1 Kg.,	ASTM D5178.
• Bending:	3 mm. Diameter,	ASTM D522.
• Adhesion:	Pass,	ASTM D3359.
• Water Resistance:	Pass,	ASTM D870.
• Flash Point:	38°C.	

Surface Preparation:

Primed surfaces: "Jazeera Clear Varnish" should be applied over recommended primer and it should be dry and free of grease, oil, dust, or any other contaminants. Grease and oil shall be removed with a suitable detergent. Salts and other contaminants shall be removed by high-pressure fresh water cleaning.

- "Jazeera Clear Varnish" must be applied within the over coating interval time of primer .

Application Condition:

- Application temperature more than (5°C) & maximum 40°C.
- Surface temperature should be at least (3°C) above dew point.
- Relative humidity: maximum 85%.

Painting System :

Primers: Self-priming or any kind of acrylic or polyurethane sealers of Jazeera paints .

Topcoats: Jazeera Clear Varnish.



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Application Method and Thinning:

THINNER: "Jazeera Thinner 504".

Application Method	Airless Spray	Air Spray	Brush/Roller**
Thinning (by volume)*	(5-10)%	(10-20) %	(10-15) %
Nozzle Orifice	0.013 - 0.015"	(1.5-2.5)mm	N/A
Nozzle Pressure	7.86 MPa (1100psi)	29.0-43.5 psi	N/A
Spray Angle	40-65°	50-80°	N/A

* Depends on the weather condition at work place.

** Recommended for stripe coat and small areas.

Film Thickness and Spreading Rate:

	Minimum		Maximum		Recommended	
	(μm)	mil	(μm)	mil	(μm)	mil
Dry Film Thickness (DFT)	20	0.8	50	2	30	1.2
Wet Film Thickness (WFT)	48	1.92	119	4.76	71	2.86
	m ² /l	ft ² /USgal	m ² /l	ft ² /USgal	m ² /l	ft ² /US gal
Theoretical Spreading Rate	21	842.1	8.4	336.8	14	561.4

Drying Time and Recoating:

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.

- Temperature 25°C/77°F
- Relative Humidity 50%
- Surface Dry 3 hours.
- Hard Dry 16 hours.
- Dry to recoat, minimum 24 hours.
- Dry to recoat, maximum* -----
- Full Cure 7 days.

Note: All records given in the table are typical at: recommended film thickness, good ventilation and one coat system.

*The surface should be dry and clean prior to application. If the recoating interval is exceeded, the surface may need to be roughened

Packing:

Gallon 3.6 Liters.

Can 1 Liter.

Shelf Life & Storage:

Shelf Life: 24 months at 25 °C.

Storage: Store indoors. Storage conditions are to keep the container in sealed container in dry, cool and well ventilated place.

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Handling and Safety:

- Clean up: Use "Jazeera Thinner 504" for cleaning tools and in case of stains while application.
- Handling: Handle with care. Stir very well before use.
- Health and safety: Please read and follow the precautionary notices displayed on the container, and all caution statements on the MSDS of this product. During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapor should be strongly avoided. For spray application systems; applicator should wear protective clothing, gloves, also eye, skin and respiratory protection are always recommended. Keep away from reach of children.
- Ventilation: When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. In addition, respirators must be used by all applicator.
- Caution: This product contains flammable solvents, keep away from sparks and open flame. For information on LEL and TLV, please read the MSDS.
- 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.