

## Technical Data Sheet

### JAZEERA POLYWOOD CLEAR MATT

#### JI-25001

#### Description:

A high quality two component polyurethane clear matt topcoat for wooden surfaces. It has high transparency and smooth finish.

#### Recommended Use:

Recommended to use for interior applications as a clear matt topcoat on wooden surfaces such as doors, windows and furniture, It can be applied over Jazeera Wood Stain.

#### Characteristics:

- Ultra transparent.
- Excellent resistance to water.
- Excellent adhesion and hardness.
- Easy to apply and fast drying.

#### Physical Constants:

• Finish:	Matt.	
• Color:	Milky clear.	
• Volume Solid:	43 %.	ASTM D2697.
• Specific Gravity:	0.985 (Mixed Paint)	ASTM D1475.
• D.F.T:	30 micron.	
• Theoretical Spreading Rate:	14.3 m <sup>2</sup> /L ( 14.5 m <sup>2</sup> /kg)	
• VOC Value:	550 g/L.	

#### Tests:

• Hardness:	Pass, 4 H Pencil	ASTM D3363.
• Scratch Resistance:	Pass, 1 Kg.	ASTM D5178.
• Bending:	Pass, 3 mm. Diameter	ASTM D522.
• Adhesion:	Pass	ASTM D3359.
• Water Resistance:	Pass	ASTM D870.
• Flash Point:	23°C.	

#### Surface Preparation:

Remove all visible surface deposits such as grease, oils, dust, soils, salt and other contaminants. Make the surface smooth by sanding with sand paper and clean it well.

#### Application Conditions:

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

#### Application Data:

Mixing ratio: By weight:      Base      Hardener  
   2      :      1

Pot-life: (2-3) hours at 25°C.

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#### Painting System:

##### Primers:

- For natural wood appearance, apply "Jazeera Polywood Sanding Sealer".
- For colored wood appearance, apply "Jazeera Wood Stain" before sealer.

##### Topcoats:

- Jazeera Polywood Clear Matt.

#### Application Methods and Thinning:

Thinner: Thinner: Recommended thinner is "Jazeera Thinner 507".

Application Method	Airless Spray	Air Spray
• Thinning (by volume)*	(0-3)%	(15-20)%
• Nozzle Orifice	0.013-0.0191"	(1.5-1.8) mm
• Nozzle Pressure	15 MPa (2100psi)	29.0-43.5 psi
• Spray Angle	40-65°	50-80°

\*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)	25	1	50	2	30	1.2
• Wet Film Thickness (WFT)	52	2.1	116	4.65	70	2.8
	m <sup>2</sup> /l	ft <sup>2</sup> /USgal	m <sup>2</sup> /l	ft <sup>2</sup> /USgal	m <sup>2</sup> /l	ft <sup>2</sup> /USgal
• Theoretical Spreading Rate	17.2	690	8.6	345	14.3	575

#### Drying Time:

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 15 min.
- Hard Dry 2 hours
- Full Cure 7 days
- Dry to recoat, minimum 2 hours
- Dry to recoat, maximum\* -----

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:

Packing:	Base	Hardener
Gallon	2.4Kg.	1.2Kg
Drum	20Kg.	10Kg

#### Storage & Shelf Life:

Shelf Life: 12 months @ 25 °C.

Storage: The container should be kept in sealed, dry, cool, well ventilated place and stored in accordance with national regulations.

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**Handling and Safety:**

- Cleanup: Use "Jazeera Thinner 507" for tools cleaning and in case of spillage, absorb and dispose.
- 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.
- Notes: 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.