



## AL-JAZEERA URETHANE WOOD CLEAR SEMI-GLOSS

Two component Polyurethane Topcoat, Clear

### DESCRIPTION:

Two-component high qualities polyurethane semi gloss clear, used for exterior and interior surfaces. It gives very strong durable, mar and UV resistance properties

### RECOMMENDED USE:

Recommended to use for exterior and interior application decoration and protection on wooden surfaces over "Al-Jazeera Wood Stain".

### CHARACTERISTICS:

"Al-Jazeera Urethane Wood Clear Semi-Gloss" has the following features:

- Fast drying properties
- Non-yellowing.
- Excellent UV resistance.
- Excellent color retention.
- High flexibility.
- Exterior and interior decoration and protection

### Physical Constants:

Finish: Clear .  
 Gloss: (30 – 35) at an angle of 60°, ASTM D523.  
 Colour: Transparent.  
 Volume Solid: 30 % ASTM D2697.  
 Viscosity: 55 KU (Mixed components), ASTM D-562.  
 Specific Gravity: 0.98 (mixed components), ASTM D-1475.  
 D.F.T.: 30 µm each coat.  
 Theoretical Spreading Rate: 10 m<sup>2</sup>/ Ltr (541.4 ft<sup>2</sup>/ US gallon) at 35 µm DFT.  
 Sagging: Up to 100 µ, ASTM D4400.  
 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 GUIDE:

Advised to follow scientific methods and standards, and subject to the conditions of health, with taking care to adhere to the observations and recommendations by the sales engineers or technical support.

### Application Condition

The product should not be applied at temperatures below 5°C Surface temperature must be a minimum of 3°C above dew point.  
 Relative humidity should not exceed 85%.  
 In confined areas good ventilation is required during application and drying.

### Paint System

Mixing ratio: By volume: Base Hardener  
 4 : 1  
 Pot-life: 9 hours at 25°C.

### Paint System

Primers: Polyurethane paint. For wooden surfaces preferred to apply "Al-Jazeera Sanding Sealer" for natural wooden color or for decorative apply "Al-Jazeera Wood Stain" before sealer.

Topcoats: None

### Application Method and Thinning:

THINNER: Recommended thinner is "Al-Jazeera Thinner 507".

Application Method	Airless Spray	Air Spray	Brush/Roller**
Thinning (by volume)*	( 0 - 3 )%	(10-15) %	N/A
Nozzle Orifice	0.013 - 0.017"	(1.5-1.8) mm	N/A
Nozzle Pressure	6.5 MPa ( 910psi)	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	60	2.4	30	1.2
Wet Film Thickness (WFT)	66.7	2.67	200	8	100	4
	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> /US gal
Theoretical Spreading Rate	15	601.5	5	200.5	10	401

### 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	10-15 min
Hard Dry	1 hour
Full Cured	3-4 hours
Dry to recoat, minimum	24 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.



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### Packing and Storage

- Clean up: Use "Al-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.
- 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.

### Packing and Storage

- Packing: Packed in : Base Hardener  
US Gallon 2.88 Ltr : 0.72 Ltr
- Storage: Store indoors. Storage conditions are to keep the container in sealed container in a dry, cool and well-ventilated place.
- Storage temperature: (25) °C / (77) °F.
- Storage humidity: (85)% relative humidity.
- Shelf life : 1 year at 25 °C (77 °F).

#### 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.