

Technical Data Sheet
JAZEERA FAST DRYING SEMIGLOSS
J1-77001

Description:

A high quality fast drying styrenated alkyd based semi-gloss topcoat paint, ideal for application in maintenance and new industrial construction. It provides efficiency of application and high durability for atmospheric exposure.

Recommended Use:

Recommended to be used as a final coat for interior and exterior application at steel facilities such as bridges, warehouses and shopping centers, as well as steelworks, doors, fences, scaffolds and fire fighting systems.

Characteristics:

- Fast drying.
- High adhesion.
- Excellent color and gloss retention.
- Superior durability and toughness.

Certificates:

Meets MPI Standard # 81.

Physical Constants:

• Finish:	Semi-gloss	
• Color:	White and other colors as per Jazeera color card	
• Volume Solid:	44%	ASTM D2697
• Viscosity:	70 KU @ 25°C	ASTM D562.
• Specific Gravity:	1.05, @ 25°C	ASTM D1475
• Theoretical Spreading Rate:	14.67 m ² /L @ 30 micron DFT.	
• VOC :	434 g/ L.	

Surface Preparation:

-Coated Surfaces:

- Topcoat should be applied within the over coating interval time of previous compatible coat.
- Remove all visible surface deposits such as grease, oils with suitable detergent per (SSPC-SP1).
- Previous compatible coat should be clean, dry and free from damages.

Application Condition:

As per ISO 8502-4 guidance on the estimation of the probability of condensation prior to paint application.

- Steel surface temperature should generally be at least 3 °C above the dewpoint.
- If the relative humidity is 85 % or higher, then painting should be judged critically.

Painting System:

- Previous Coat: Apply any suitable alkyd quick drying primer of Jazeera Paints.
- Subsequent Coat: None.

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Application Method and Thinning:

Thinner : Use Jazeera Thinner 507 for thinning and cleaning tools.

Application Method	Airless Spray	Air Spray	Brush/Roller**
Thinning (by volume)*	(0)%	(10-15)%	(0-5)%
Nozzle Orifice	0.015-0.021"	1.5- 1.8 mm	N/A
Nozzle Pressure	15 MPa (2100psi)	29.0-43.5psi	N/A
Spray Angle	40°-80°	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	75	3	30	1.2
Wet Film Thickness (WFT)	45	1.8	170	6.77	68	2.7
	m ² /l	ft ² /USgal	m ² /l	ft ² /USgal	m ² /l	ft ² /US gal
Theoretical Spreading Rate	22	882	5.87	235.4	14.67	588

Drying Time and Recoating:

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

Relative Humidity	50%
Surface Dry	25 min @ 25°C 20 min @ 30°C 15 min @ 35°C 10 min @ 40°C
Hard Dry	4 hours @ 25°C 3 hours @ 30°C 2.5 hours @ 35°C 2 hours @ 40°C
Dry to recoat, minimum	6 hours @ 25°C 5 hours @ 30°C 4 hours @ 35°C 3 hours @ 40°C
Dry to recoat, maximum*	-----
Full Dry:	24 hours @ 25°C 23 hours @ 30°C 22 hours @ 35°C 20 hours @ 40°C

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. The best time to recoat is before previous coat is cured. If this time is exceeded, the surface may need to be roughened slightly.



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Packing:

Gallon 3.6 liter.
Drum: 18 liter.

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.

Handling and Safety:

- Handling: Handle with care.
- 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 applicators.
- Caution: This product contains flammable solvents, so 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.