

Technical Data Sheet
JAZEERA STEELO PRIMER
J1-31003

Description:

A high quality acrylic solvent based anti-corrosive primer, contains zinc phosphate as a corrosion inhibiting functional pigment for Middle East special environment and conditions.

Recommended Use:

Primer for different uses on steel, galvanized steel, aluminum, fiber glass and plastic, where protection in moderate corrosive environment and protection from surrounding conditions is required, for cars, trucks, agricultural machinery and vehicles, industrial equipment, steelworks, steel furniture and doors. It is also used in woodworks such as furniture, doors and offices.

Characteristics:

- Corrosion protection in moderate environments.
- Excellent adhesion.
- Very fast drying.
- Increasing productivity, saving time and cost.
- Ease of application and sandability.

Physical Constants:

• Finish:	Flat	
• Color:	White and grey	
• Volume Solid:	45%	ASTM D2697
• Viscosity:	95 KU @25°C.	ASTM D562
• Specific Gravity:	1.4	ASTM D1475.
• D.F.T:	50 μ each coat	
• Theoretical Spreading Rate:	9 m ² / ltr at 50 μ DFT	
• VOC Value:	495 g/ ltr.	

Tests:

• Impact strength:	0.75 kg.m	ASTM D2794-93	Wimpey Laboratories
• Adhesion strength:	9.41 N/mm ²	ASTM D4541-22	Wimpey Laboratories

Surface Preparation:

- Remove all visible surface deposits such as grease, oils with suitable detergent per (SSPC-SP1).
- Remove salt and other contaminants by washing using high pressure fresh water.
- Any fabrication defects such as weld spatter, delamination, sharp edges and weld slag should be repaired prior to surface preparation.
- The surface must be prepared according to Sa 2½ (NACE No.2/SSPC-SP10).

Application Condition:

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

Painting System :

Primers: "Jazeera Steelo Primer".

Topcoats: Can be overcoated with all kinds of acrylic solvent based paints.

For other suitable topcoats, consult Jazeera TSD

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Application Method and Thinning:

THINNER: Recommended thinner is "Jazeera Thinner 507".

Application Method	Airless Spray	Air Spray	Brush/Roller**
Thinning (by volume)*	(0 - 5)%	(15-20) %	(0 - 5)%
Nozzle Orifice	0.015 - 0.021"	(1.5-1.8)mm	N/A
Nozzle Pressure	15 MPa (2100psi)	29.0-43.5 psi	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	
	(μ m)	mil	(μ m)	mil	(μ m)	mil
Dry Film Thickness (DFT)	30	1.8	75	3	50	2
Wet Film Thickness (WFT)	66	2.5	166	6.5	111	4.3
	m ² /l	ft ² /USgal	m ² /l	ft ² /USgal	m ² /l	ft ² /US gal
Theoretical Spreading Rate	15	401	6	249	9	361

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 15 min
- Hard dry 2 hours
- Dry to recoat, minimum 2 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:

Can 1 liter.

Gallon 3.6 liter.

Shelf Life & Storage:

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:

- Clean up: Use "Jazeera Thinner 507" 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.