



JAZ AQUA METAL PRIMER

Acrylic water based Primer, Special for steel ,Quick Drying

DESCRIPTION:

"JAZ AQUA METAL PRIMER" is a premium quality, low VOC, waterborne, special acrylic emulsion based primer cum finish topcoat with excellent corrosion protection for new or weathered galvanized and all other metal surfaces including steel, wrought iron and aluminum.

RECOMMENDED USE:

Can be used as an anticorrosive primer on suitably prepared galvanized steel, ferrous metals like steel and iron and aluminum. Also can be used as a primer cum finish top coat on these surfaces.

CHARACTERISTICS:

- Excellent corrosion resistance
- Quick drying
- Excellent adhesion
- Excellent weather resistance and can be used for interior and exterior applications.
- Can be used as a primer under alkyds and most water based top coats.
- Excellent resistance to rain and condensation.

Physical Constants:

Finish:	Low sheen
Colour:	White, Grey and Red oxide
Volume Solid:	41% , ASTM D2697
Viscosity:	90 KU @25°C, ASTM D562
Specific Gravity:	1.30, ASTM D1475
D.F.T:	40 µ each coat
Theoretical Spreading Rate:	10.25 m ² / ltr at 40 µ DFT
Full Cured:	24 hours @25°C
VOC Values:	19 g/ ltr.

Surface Preparation:

PRE-CLEANING:

Remove all visible surface deposits such as grease, oils and soils with suitable detergent. Remove salt and other contaminants by washing using high pressure fresh water. Where necessary, work to remedy or alleviate design or fabrication defects such as weld spatter, and where required smooth weld seams and sharp edges before abrasive blasting.

NEW STEEL:

Refer to pre-cleaning, the surface must be prepared according to Sa 2½ (NACE No.2/SSPC-SP 10) or Sa 2 (NACE No. 3/SSPC-SP 6).

MAINTENANCE:

Refer to pre-cleaning, remove damaged areas using power tool cleaning to St 2 (SSPC-SP3) or by abrasive blasting to Sa 2 (NACE No. 3/SSPC-SP 6), but Sa 2½ (NACE No. 2/SSPC-SP 10) is preferable. As an alternative; use water jetting to WJ-2 (NACE No. 5/SSPC-SP 12).

APPLICATION GUIDE:

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

Primers: Self-priming.

Topcoats: Can be over coated with water based and alkyd based finishes.

Application Method and Thinning:

THINNER: Recommended thinner is "Tap Water".

Application Method	Airless Spray	Air Spray	Brush/Roller**
Thinning (by volume)*	(0-5)%	(15-20) %	(10-15)%
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)	25	1	75	3	40	1.6
Wet Film Thickness (WFT)	61	2.4	183	7.2	98	3.9
	m ² /l	ft ² /USgal	m ² /l	ft ² /USgal	m ² /l	ft ² /US gal
Theoretical Spreading Rate	16.4	658	5.5	221	10.25	411

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	30 min
Hard Dry	4 hours
Dry to recoat, minimum	4 hours
Dry to recoat, maximum*	48 hours

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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Handling and Safety :

- Clean up:** Use " Tap Water " 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: US Gallon Drum 18 Ltr
- Storage:** Store indoors. Storage conditions are to keep the container in sealed container in a dry, cool and well-ventilated place.
- Storage temperature:** (5-42) °C / (41-108) °F.
- Storage humidity:** (0-95)% 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.