

## DESCRIPTION:

It is a highly durable, 100%-acrylic, specially designed low VOC, and Lead-free water based traffic marking. Its exceptional durability is tailored thru the use of patented cross-linking technology. It dries rapidly & forms tough film with excellent glass bead retention and adhesion to concrete and asphalt roadways. AI-Jazeera AFRW meets or exceeds the Federal Specification TT-P-1952E Type III with increased durability.

## RECOMMENDED USE:

Recommended for marking and striping highways, streets or other traffic surfaces which includes driveways, parking lots and airport runways. It may be applied on asphalt and concrete surfaces. It can be used with or without glass beads.

## CHARACTERISTICS:

"AI-Jazeera AFRW " has the following features:

- High Durability and Toughness
- Short traffic open time.
- Excellent Adhesion over various road surfaces.
- Excellent glass bead retention.
- Very low VOC & Environmentally Friendly.
- Better resistance to early rain showers.

## CERTIFICATES\* :

AI-Jazeera AFRW meets the Federal Specification TT-P-1952E Type III according to Athena university test.

## PHYSICAL CONSTANTS:

Finish:	Matt.
Colour:	Produced regarding to FED-STD-595 for color.
Volume Solid:	60 % . ASTM D2697.
Viscosity:	85 ±3 KU @ 25°C, ASTM D562.
Specific Gravity:	1.68±0.1 @ 25°C., ASTM D1475.
D.F.T:	Recommended DFT is 200-250 µm. For highest durability, D.F.T of (450-480) µm can be applied, while thinner lines at about 300-380 µm will allow accelerated drying.
Theoretical Spreading Rate:	3 m <sup>2</sup> /L (120 ft <sup>2</sup> / US gallon) at D.F.T. 200 µm.(to avoid waste, be sure to buy the right amount of the paint for the surface area required).
Adhesion:	Pass, TT-P-1952E
Flexibility :	Pass, TT-P-1952E
Water Resistance:	Pass, TT-P-1952E
Heater Stability:	Pass, 2 weeks @ 52°C TT-P-1952E

## SURFACE PREPARATION:

### New Surfaces

- All new surfaces must be cured at least for 30 days prior to application of the primer.
- The surface must be treated by removing all forms release and protrusions to get a suitable surface for application.

### For previously painted surfaces:

- Remove old paint from surfaces completely.
- Make sure that the surface is clean , dry , free from dust, oil, grease, salt and mold.
- Fill the holes and cracks with suitable fillers "AI-Jazeera Crack Filler" prior to application of the primer.

## APPLICATION GUIDE:

- 1.The surface must be removed from dust , grease, oil and other contaminants completely.
- 2.Surface temperature required during application must not be less than 10°C; the surface moisture should not exceed 8% and the relative humidity at work place not to exceed 70%.
- 3.Maximum pH of 9
- 4.Paint should be stirred carefully before use.
- 5.A suitable quantity of water can be added to get reasonable viscosity for application.
- 6.Do not apply on wet and moistened surfaces until get completely dry.

## APPLICATION TOOLS:

Spray gun: Recommended nozzle size : (1.5 – 1.8) mm.  
Airless spray: Recommended Nozzle size : 0.48 mm. (approximately).  
Brush or Roller :Recommended type

## THINNER:

Recommended Thinner is "Tap water".

## THINNING RATIO:

- (5 - 15) % by volume for air spray gun applications.
  - (0 –5) % By volume. for airless spray gun applications.
  - (0 –5) % by volume for roller & brush applications.
- Depends on the weather conditions at work place.

## PAINTING SYSTEM:

- Apply one coat of "AI-Jazeera AFRW".

## DRYING TIME:

Dry to touch	5 minutes.
Open to traffic	30 minutes.
Full hardness	8 hours.
Recoating Interval	Minimum: 3 hours. Maximum: no limit.

All the above results tested according to ASTM D5895.

## CLEANING TOOLS:

Tap water.

## PACKING:

US Gallon.  
Drum: 18 Ltr.

## SHELF LIFE:

In sealed container: 12 months in a dry, cool and well-ventilated place.

## SAFETY PRECAUTIONS:

During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapour, should be strongly avoided. When working with paint in in-sufficient ventilated areas, forced ventilation should be provided. For spray application system, eye, skin, respiratory protection are always recommended. Keep away from the reach of children.

**For 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

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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 AI-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 AI-Jazeera TSD, he should take his accountability in this connection.