

Technical Data Sheet

JAZEERA FIREDAMP 100

JA-14009

Description:

A high quality water borne fireproofing coating with intumescent technology.

Recommended Use:

It can be used as intumescent fireproofing coating for structural steel and cement surfaces.

Characteristics:

- Comply with Warrington fire, UK for BS 476 testing- part 21.
- Very low odor.
- One-hour fire protection.
- Fast drying and rapid recoating property.
- Excellent durability.
- Environmentally responsible.

Physical Constants:

• Finish:	Matt
• Color:	White
• Volume Solid:	56% (ASTM D2697)
• Viscosity:	105 KU @ 25°C (ASTM D562)
• Specific Gravity:	1.35 kg/L @ 25°C (ASTM D1475)
• DFT:	500 µm / 20 mils (DFT) (each coat).
• Theoretical Spreading Rate:	1.12 m ² /L @ 500 µm DFT.

Surface Preparation:

- 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) .

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 Epoxy Zinc Phosphate Primer.

Topcoats: Jazeera Firedamp 100.

For protection & colored appearance apply: "Jazeera Firedamp 275" or "Jazeera Novel " as a topcoat.

Application Method and Thinning:

THINNER: Not required.

Application Method	Air Spray	Brush/Roller**
Thinning (by volume)*	N/A	N/A
Nozzle Orifice	0.43-0.53 / mm(17-21)Thou	N/A
Nozzle Pressure	175 bar (2489 psi)	N/A
Spray Angle	40°-80°	N/A

* Depends on the weather condition at work place.

** Suitable, for small areas only. Up to 300 microns (WFT) can be achieved in single coat.
(Multiple coats may be required to achieve the specified thickness).

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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 minutes
Hard dry	3 hours
Dry to recoat, minimum	4 hours
Dry to recoat, maximum*	Extended
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. The best time to recoat is before previous coat is cured. If this time is exceeded, the surface may need to be roughened slightly.

Packing:

Drum : 18 Ltr .

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.

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.

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.