

Technical Data Sheet

JAZEERA FLOREX MB

JI-68039

Description:

A high quality solvent-free, tough-elastic, sound-proofing, self-leveling 2K PU floor coating for medium duty floors. This is formulated on natural binders. Resists gasoline, break-oils, detergent, hard wearing and mild chemicals.

Recommended Use:

Recommended to use for interior and exterior applications where noise reduction, elastic and crack bridging properties are targeted for medium duty floors like parking. It must be top-coated with "Jazeera Florex TC" for outdoor application.

Characteristics:

- Used for medium duty floors.
- Tough-elastic and crack bridging properties.
- High chemical and mechanical resistance.
- Sound absorption and proof.
- Excellent resistance to hydrolysis and chemicals.
- Good hydrophobic character.
- Easy to clean, dust free and hygiene.
- Based on Green-Chemistry.
- Based on renewable raw materials.
- Natural -chemical system which ensures less CO₂ emission.
- Self-leveling and workability.

Physical Constants:

• Finish:	Gloss		
• Color:	As per standard.		
• Volume Solid:	100 % ASTM D2697.		
• D.F.T:	1 mm (DFT).		
• Theoretical Spreading Rate:	0.7 m ² / kg.		
• Specific Gravity:	1.5 (mixed paint)		

Tests:

• Compressive strength	66.67 MPa	ISO 196-1	PRI Construction Materials Technologies
• Flexural strength	5.67 MPa	ISO 196-1	PRI Construction Materials Technologies
• Tensile strength	7.64 MPa	ISO 527-2	PRI Construction Materials Technologies
• Tensile Elongation	44 %	ISO 527-2	PRI Construction Materials Technologies
• Impact Resistance	Pass	ISO 6272-2	PRI Construction Materials Technologies
• Hardness	91.4	ISO 868	PRI Construction Materials Technologies
• Arasion Resistance	Pass	ISO 5470-1	PRI Construction Materials Technologies
• Crack bridging	Pass	EN 1062-7	PRI Construction Materials Technologies
• Resistance to Bacteria	Pass	JIS Z 2801	PRI Construction Materials Technologies

Surface Preparation:

For Concrete Surfaces:

- All new surfaces must be cured at least for 28 days prior to application.
- The concrete substrate should be sound with minimum compressive strength 30 N/mm² and pull off strength 1.5 N/mm².
- Make sure that the surface is clean , dry , free from dust, oil, grease, salt , mold, all forms release agents /curing and old paint.
- The surface should be prepared by light grit blasting or surface grinding to achieve concrete surface profile CSP2-3 as per International Concrete Repaire Institute ICRI. No 310.2 / SSPC - SP 13 or NACE 6
- Remove dust from the surface by vacuum machine.
- Fill the holes and cracks with suitable fillers "Jaz Epoxy Crack Filler ESP " prior to application.

Application Tools:

- Roller: Short naps roller(3/8 inch) is suitable type for epoxy.
- Brush: A stiff nylon brush. Recommended for narrow areas.
- Squeegee: recommended to achieve a continuous coating.
- Trowel / notched trowel : can be use.



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Application Conditions:

- Temperature during application should be more than (5°C).
- Surface temperature: at least (3°C) above dew point.
- Relative humidity: maximum 85%.
- Concrete moisture content should not exceed than 4%.

Mixing:

Mixing ratio:

5.9 Base : 1 Hardener (by weight)

- Base and Hardener must be mixed properly using medium speed mechanical stirrer.

Pot Life:

30 minutes @ 25°C.

The mixture should be used within this pot-life time.

Thinner:

Not Recommended.

Painting System:

Primer: Jaz Epoxy Sealer Clear Ultra.

- Broadcasting "Jaz Non-Slip Aggregate" type 2. rate 0.5-0.7 kg/m² before drying

Intermediate Coat : "Jazeera Florex MB".

- Must be top-coated with "Jazeera Florex TC" for outdoor application.

Application Instructions:

- Do not apply on wet and moistened surfaces until they are completely dry.
- PH of surface should not exceed 9.
- Holes and crack should be assessment and treated by using "Jazeera Epoxy Crack Filler ESP".
- Concrete damages should be repaired before application.
- Rough and irregular surfaces need to leveled by using "Jazeera Epo Mortar NB" range depending on surface irregularities.
- Expansion joint must be retained and filled by "Jaz Thioxel"
- Freshly applied paint should be protected from water and damp at least 24 hours.

Drying Time and Recoating:

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

- Dry to recoat, minimum: 12 hours @25°C/77°F
- Dry to recoat, maximum*: 48 hours @25°C/77°F
- Full cure: 7days.

Packing:

Packed in: Base Hardener
Drum 17.7kg : 3kg

Shelf Life and 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:

- Cleanup: Use **Jazeera Thinner 507** 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.