

**Technical Data Sheet**  
**JAZEERA FLORTHANE SB**  
**J1-48017**

**Description:**

A high quality solvent base PU topcoat for floors, based on polyurethane aliphatic isocyanate cured.

**Recommended Use:**

Recommended to be used as a wear coat over epoxy and cementitious flooring systems, for interior and exterior horizontal concrete as well as steel surfaces in order to give high strength and resistance to abrasion, chemicals and UV.

**Characteristics:**

- Excellent resistance to UV.
- Excellent adhesion and highly durable.
- Excellent resistance to impact.
- Excellent resistance to alkalis and salt solutions.
- Excellent water impermeable.
- Good resistance to a wide range of chemicals.

**Physical Constants:**

• Finish:	Gloss	
• Color:	Clear & as per Jazeera color card (Tintable bases)	
• Volume Solid:	55%(mixed Paint)	ASTM D2697
• Specific Gravity:	1.12 (mixed Paint)	ASTM D1475
• D.F.T:	55 $\mu$ each coat.	
• Theoretical Spreading Rate:	10 m <sup>2</sup> / L .	
• VOC (Theoretical):	417 g/L.	

**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/mm<sup>2</sup> and pull off strength 1.5 N/mm<sup>2</sup>.
- 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 "Jazeera Epoxy Crack Filler 400" or any suitable epoxy filler prior to application.

For steel surfaces:

- 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 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%.

**Application Data:**

Mixing ratio: Base Hardener (By volume)  
4 : 1  
Pot-life: 1 hr @ 25 °C  
30 min @ 45 °C

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**Painting System:**

"Jazee Florthane SB" can be applied over all epoxy floors.

-For decorative cementitious products apply "Jazeera Florthane SB Clear" as a protective finish coat.

**Application Tools:**

- Roller: Short naps roller (3/8 inch ) is suitable type for epoxy.
- Airless Spray: Nozzle Orifice: 0.015-0.021"/ Nozzle Pressure: 15 MPa (2100psi).

**Application Method and Thinning:**

Thinner : Jazeera Thinner 507.

Application Method	Airless Spray	Brush/Roller**
Thinning (by volume)*	(0-3)%	(10-15) %
Nozzle Orifice	0.015-0.021"	N/A
Nozzle Pressure	15 MPa ( 2100psi)	N/A
Spray Angle	40-80°	N/A

**Film Thickness and Spreading Rate:**

	Minimum		Maximum		Recommended	
	(μm)	mil	(μm)	mil	(μm)	mil
Dry Film Thickness (DFT)	40	1.64	75	3	55	2.2
Wet Film Thickness (WFT)	73	3	136	5.4	100	4
	m <sup>2</sup> /l	ft <sup>2</sup> /USgal	m <sup>2</sup> /l	ft <sup>2</sup> /USgal	m <sup>2</sup> /l	ft <sup>2</sup> /US gal
Theoretical Spreading Rate	13.75	552	7.3	293	10	401

**Drying Time and Recoating:**

Temperature	25°C/77°F
Initial Hardness	24 hours
Surface Dry	1 hour
Hard Dry	6 hours
Dry to recoat, minimum	24 hours
Dry to recoat, maximum*	4 days
Full dry	7 days

**Application Instructions:**

- Do not apply on wet and moistened surfaces until they are completely dry.
- PH of surface should not exceed 9.
- Concrete damages should be repaired before application.
- Rough and irregular surfaces need to be leveled by using epoxy screed mortar products, depending on surface irregularities.
- Freshly applied paint should be protected from water and damp at least 24 hours.

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**Packing:**

	Base		Hardener
Gallon	4 L	:	1 L
Drum	14.4 L	:	3.6 L
Tintable base	3.67 L	:	1 L
Tintable base	13.2 L	:	3.6 L

**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 "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.