

**Technical Data Sheet**  
**JAZEERA FLEXIGUARD**  
**JK-14001**

**Description:**

Two component, high quality, high flexible, elastic, synthetic polymer modified cementitious waterproofing coating for concrete, cementitious and masonry substrates.

**Recommended Use:**

Used for waterproofing in:

- Sewage water tanks.
- Foundation walls.
- Swimming pools.
- Basins.
- Wet areas like kitchens, bathrooms, balconies and terraces.
- Underground passages and tunnels.
- Car-parks.
- Irrigation canals.
- Buildings Roofs under tiles
- Protecting concrete and masonry structures subjected to positive and negative hydrostatic pressure.

**Characteristics:**

- When blending the two components (Component A powder + Component B liquid) of the product it forms a thixotropic slurry can be applied easily with a brush, roller or spray on horizontal and vertical surfaces.
- High flexible.
- Alkali resistance.
- Water Leakage Prevention.
- High resistance to efflorescence
- High elongation and crack bridging.
- Good adhesion to all cementitious surfaces.
- Protects concrete from positive and negative hydrostatic pressure up to 1.5 bar.
- It can be applied up to 2mm thickness.

**Physical Constants:**

	Component A	Component B
• Color and shape :	Grey powder	White liquid
• Mix ratio:	2	0.828
• Dry bulk density:	1.4 kg/liter.	-----
• Wet density:	-----	1.01 kg/liter.
• Solid content:	100 %	45±2%
• Mixed density:	1.65 kg/liter.	
• Thickness:	1 - 2 mm for one layer.	
• Pot Life:	30 - 60 minutes.	
• Maximum grain size:	0.4 mm.	
• Coverage rate:	1.3-1.7 Kg / m <sup>2</sup> / mm. according to substrate evenness.	
• Adhesion strength:	> 0.80 N/mm <sup>2</sup> .	

**Surface Preparation:**

- 'Jazeera Flexiguard ' is suitable to waterproof concrete, masonry and cementitious substrates.
- Substrates to be waterproofed should be in good, strong and stable condition should be sound and well cleaned, free from any dust, render defects, loose particles .
- Remove any surface coatings, grease, oil, curing compounds and any other foreign materials that may affect the adhesion.
- Mechanical surface Preparation is recommended by sand blasting, high-pressure water or mechanical grinding.
- Honeycombs and pinholes should be cut back and repaired using cementitious repair mortar and using "Jazeera Epoxy Crack Filler 400" for filling cracks.
- Wall to floor intersections should be cut 20 X 20 mm along the junctions and filled with suitable cementitious repair mortar .
- Repair the sharp corners by using mixture of (1.6 kg cement- 4 kg sand - 1 kg "Jazeera Rebond 100") then apply at 45 degree angle.

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• The surfaces to be waterproofed should be leveled and as flat as possible and should be thoroughly wetted but free of standing water prior to the application.

**Mixing:**

- Pour the (Component B) into a clean container then add the whole content of the (Component A) slowly while mixing mechanically.
- Keep mixing for 3 minutes until get homogeneous mixture, uniform, lump- free slurry is obtained and no powder stuck to the side and the bottom of the mixing container.
- The mixture is now ready for application.

**Application Guide:**

- Always apply “Jazeera Flexiguard ”to pre-wetted substrates but free from excess water.
- Apply the first coat by brush, roller or spray at a minimum rate of 1.7 kg/ m<sup>2</sup>.
- Apply “Jazeera Flexiguard ” with fiber glass mesh on corner, edges, drainage and supplying of water.
- Do not spread the material too thin and finish in one direction for neat appearance and uniform thickness and If the mix begins to dry during application, do not add water but re-dampen the surface.
- Area of more than 20 m<sup>2</sup>, for best results of insulation, needs to install fiberglass mesh.
- Overlapping between fiberglass mesh should be 5-10 cm and mesh must be fully covered by “Jazeera Flexiguard”.
- Apply second coat at the rate of 1.3 kg/m<sup>2</sup> when first coat is fully dry and ready to receive the second one and in opposite direction of first coat to ensure full surfaces coverage.
- At least two coats should be applied at a final thickness of at least 2mm.
- After application, especially in dry, hot or windy weather, it is recommended to cover the surfaces after application until full drying to avoid rapid evaporation and the product will be ready to use after 7 days.

**Application Tools:**

- Roller: Soft and smooth roller (Recommended type: Dekor nardeen 8009 - code: 1093).
- Brush or spray machine.

**Drying Time:**

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

- Temperature: 25°C /77°F
- Relative humidity: 50%
- Surface dry: 30 - 60 minutes.
- Hard dry: 7 days.
- Full cure: 28 days.
- Recoating interval: 12-24 hours minimum.

**Cleaning Tools:**

- Once the application is done clean tools immediately by tap water.

**Packing:**

- Component A Powder                      Component B Liquid  
    20 kg Bag                                      8.28 Litre Drum

**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.

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**Safety Precautions:**

- Please read and follow the precautionary notices displayed on the container, and all caution statements on the MSDS of this product.
- Handle with care before and during use.
- During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapour, should be strongly avoided.
- Recommended to use the product in well-ventilated area when applying the paint in insufficient ventilated areas, forced ventilation should be provided.
- 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:**

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.