

## Technical Data Sheet

### JAZEERA PROOFEX

### JK-14005

#### Description:

High quality two-component, polymer modified cementitious waterproofing coating with high flexibility, crack bridging ability and alkali resistance, for concrete and other masonry substrates , specially designed for drinking water tanks.

#### Recommended Use:

Used as waterproofing in:

- Drinking water tanks.
- Swimming pools.
- Bassins.
- Irrigation canals.
- Sea water and brackish water structures.
- Underground passages and basements.
- Foundation structures.
- Wet areas like kitchens and bathrooms.

#### 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.
- Safe for public health and potable water.
- Water leakage prevention.
- Good elongation and crack bridging ability even after long term immersion.
- Long lasting concrete protection from positive and negative hydrostatic pressure.
- Excellent adhesion with porous and nonporous surfaces.
- Acts as an effective barrier to sulphates and chloride ions.
- Excellent bonding strength to green or damp concrete.
- High alkali resistance.
- Breathable, allows substrate to breathe moisture.
- High resistance to efflorescence.

#### Certificates:

- WRAS certificate for water regulations approval for use with water up to 40°C.
- INTERTEK test passed for effect on water quality as cementitious waterproofing coating.
- Met the requirements of BS6920.
- Passed VOC Emission After Application / LEED Requirements - Ver.4 / METS, UAE.

#### Physical Constants:

Parameter	Component A	Component B
• Shape, Color	Powder, Grey	Liquid, White
• Mixing Ratio:	20kg	9.4 kg
• Pot Life, hour	0.5 - 1 hour	-
• Dry Bulk Density	1.4 Kg/Liter	-
• Density	-	1.01 kg/liter.
• Thickness	1 to 2 mm	-
• Coverage Rate	1.3 - 1.7 Kg/mm/m <sup>2</sup> (Brush or roller) 2 Kg/mm/m <sup>2</sup> (Spray application) Rate differs according to substrate evenness.	-
• Solid Content (%)	100	-
• Maximum Grain Size	0.4 mm	-
• Adhesion Strength (Mpa)	>0.8 Mpa	-

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#### Surface Preparation:

- "Jazeera Proofex" 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.
- The substrates to be waterproofed should be leveled and as flat as possible. It should be thoroughly wetted but free of standing water prior to the application.

#### Mixing:

- Pour the liquid part (component B) into a clean container then add the whole content of the powder part (Component A) slowly into it while mixing using a low speed mechanical mixer.
- Keep mixing for 3 minutes until 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 Proofex" 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 Proofex" with fiber glass mesh on corner, edges, drainage and supplying of the tank.
- Do not spread the material too thin and finish in one direction for neat appearance. If the mix begins to dry during application, do not add water but re-dampen the surface .
- Apply second coat at the rate of 1.3 kg/m<sup>2</sup> when the first coat is fully dry and ready to receive the second one, in opposite direction of the first coat to ensure full substrate 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 protect the surface with sheets after application until full drying to avoid rapid evaporation.
- "Jazeera Proofex" will be ready to use after 28 days from end of application, Tanks should be flushed with water prior to filling.

#### Application Tools :

- Brush, Roller and Spray machine.

#### Drying Time:

- Drying times are generally related to air circulation, temperature, film thickness and number of coats will be affected correspondingly.
- Temperature: 25°C/77°F and Relative Humidity 50% :
- Surface dry: 30- 60 minutes
  - Full cure: 28 days.
  - Recoating interval 12-24 hours. (after first coat fully dry)

#### Cleaning Tools:

- Once the application is done clean tools immediately by water

#### Packing:

- Component A (powder) : 20 kg bag
- Component B (liquid) : 9.4 kg

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**Shelf Life & Storage:**

12 months from manufacturing date when stored in dry and shaded closed area.

**Safety Precautions:**

- Wear protecting cloths, gloves, glasses and face protection.
- For eye contact, rinse with plenty of clean water and then seek medical advice.
- Keep away from the reach of children.
- For more details, ask for our safety data sheet for the product.

**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.