دهانات الجزيـرة
Jazeera Paints

Technical Data Sheet
JAZEERA SEALTEC
JA-57009

Description:
A high solid, one component, elastomeric waterproofing sealant membrane, based on advanced formulation of moisture curing polyurethane and modified silane. The modern technology provides permanent flexible and durable elastomeric waterproofing coat, suitable for protection against moisture on horizontal and vertical surfaces.

Recommended Use:
As a waterproofing sealant membrane on concrete and masonry surfaces for bathrooms and kitchens, parking garages, structural foundations, basement walls, retaining walls, tunnels and roof terraces.

Characteristics:
- Outstanding waterproofing performance.
- Excellent elongation and crack bridging.
- Permanent flexibility.
- High resistance to efflorescence.
- High resistance to moisture and alkalinity.
- High resistance to water leakage.
- Excellent adhesion to surfaces.
- Can be applied on damp concrete surfaces.
- Easy to apply.

Physical Constants:

•Finish	Semi Gloss	
•Color	Black.	
•Specific Gravity	1.52	ASTM D1475
•Viscosity (KU)	High viscous	ASTM D562
•Volume Solids (%)	91.58 ±2 %	ASTM D2697
•Dry Film Thickness	1300 micron.	
•Spreading Rate	0.704 m^2/L	

Tests*:

• VOC	45.4 g/L	ASTM D2369
• VOC Emission After Application	Pass	LEED Requirements - Ver.4
•Drying Time @ 23°C, 50% RH	6 Hours	ASTM D1640
•Full Cure Time @ 23°C, 50% RH	24 hours	ASTM D1640
•Shore A Hardness	30	ASTM D2240
•Ultimate Tensile Strength	1.22 MPa	ASTM D412
•Ultimate Elongation	338 %	ASTM D412
•Tear Strength	0.48 MPa	ASTM D624
•Water Absorption	2.67 %	ASTM D570
•Pull off Strength	0.75 MPa	ASTM D4541
•Water Vapor Transmission	0.88 g/m^2/24hours	ASTM E96
•Recovery from Elongation @350%	77.7%	ASTM D412-21
•Low Temperature Elongation @-29.0°C ± 0.5°C	Average Elongation 1.158%	ASTM D412-21
	Average Stress 1.24 MPa	ASTM D412-21
•Shore 00 Hardness	Pass 64 (min 50)	ASTM C836 , ASTM D2240
•Adhesion in Peel After Water Immersion	31.1 N	ASTM C794
•Extensibility After Heat Aging @ 70°C	4.34 mm	ASTM C1522

* Test reports are available upon request.

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Surface Preparation:
• 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.
• 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 corners and edges by using mixture of (1.6 kg cement- 4 kg sand - 1 kg “Jazeera Rebond 100”) then apply at 45 degree angle.

Application Guide:
• The surface must free from unsounded areas and dust , grease, oil and other contaminants completely.
• The required temperature during application, must not be less than 5°C.
• The Paint should be stirred carefully and homogenously before use.
• Do not apply the next coat unless the previous one is fully dry. Minimum recoating interval time should be given between the two coats.
• Not to be used as an exposed or trafficable surface.
• Good ventilation should be available during application.

Mixing:
• Mix the product by low-speed drill for 2-3 minutes.

Application Tools:
• Roller: Suitable type.
• Brush: Suitable type.

Thinner:
Not recommended.

Painting System:
- Apply "JAZEERA SEALTEC” to the corners and edges by using the appropriate brush.
- Apply two coats of "JAZEERA SEALTEC” directly to prepared and cleaned concrete.

Drying Time:
Drying time is generally related to air circulation, temperature, film thickness and number of coats will be affected correspondingly.
Surface Dry@ 23°C, 50% RH : 6 Hours
Full Cure Time @ 23°C, 50% RH : 24 hours

Cleaning Tools:
• Once the application is done clean tools immediately by thinner 507.

Packing:
• Drum 18 liters.

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.

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.
• When working with paint in in-sufficient ventilated areas, forced ventilation should be provided.
• For spray application system, eye, skin, respiratory protection are always recommended.
• 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 .
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.