


**Jubiguard**

# AQUASHIELD 2K

**ACRYLIC-MODIFIED, TWO-COMPONENT CEMENTITIOUS WATER-PROOF COATING**

JUBIGUARD AQUASHIELD 2K is an acrylic cementitious, polymer-modified, flexible, and breathable waterproofing coating. Supplied in ready-mix kits, it exhibits excellent bond strength, reduced permeability, and is suitable for various structures, including those in marine environments. Ideal for positive and negative side waterproofing with unmatched resistance to hydrostatic pressure.



## Application Areas

- Potable Concrete Water Tanks, Reservoirs, and Waste Water Tanks
- Terraces, Balconies, Sunshades
- Flat and Small Roofs
- Basement and Retaining Walls
- Swimming Pools, Fountains, Canals
- RCC Gutters, Drains, and Planter Boxes
- Wet Areas like Toilets, Kitchens, Utility Spaces, Sunk Slabs
- Lift Pits, Sumps, etc.
- Interior and exterior waterproofing of concrete, rendering, brickwork, and blockwork
- Protection against de-icing salts and freeze-thaw damage
- Filling pores, blowholes, and fine cracks
- Sealing internal basement walls against dampness
- Protecting concrete from corrosion and salt attack.



## Technical Details

Properties	Values	Test Standards
Elongation at Break	>60%	ASTM D 412
Crack Bridging	Upto 1.5 mm	ASTM D 4548.5
DFT	Upto 1000 microns	
Tensile Strength	0.56 N/mm <sup>2</sup>	ASTM D 638
Cohesive bond strength	3.6 Mpa	
Compressive Strength	> 38 Mpa	
Flexural Strength	> 11 Mpa	
Adhesion Strength	0.83 Mpa	ASTM D 4541
Mixing ratio -Part Polymer: Part Powder	1:2 (by weight)	
Water Absorption	<3%	
Water permeability (Negative Side)	5 Bar	
Toxicity	Non-Toxic	
Coverage (Kg/m <sup>2</sup> )	1.65 - 1.75	
Pot life of the mix @30°C	45 mins	



## Pack Sizes

3 kg, 15 kg &amp; 60 kg



## Features



### Excellent Waterproofing

Resists up to 7 bars of positive and negative hydrostatic pressure.



### Anti-Efflorescence

Provides lasting protection against efflorescence.



### High Elongation

Highly elastic film which provides elongation > 60%.



### Non-toxic

Can be used for portable water bodies.



### Flexible

Can bridge hairline crack.



### Anti-Carbonation

Protects concrete against carbonation.



### Good Adhesion

Excellent bond strength with cementitious substrates.



### Abrasion resistance

Good abrasion resistance of coating.



### Chloride Protection

Protects concrete from chloride penetration.



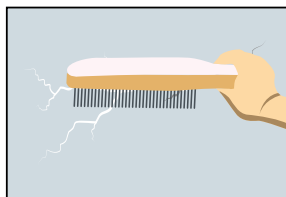
### Easy to apply

Forms a seamless coat without any joints.



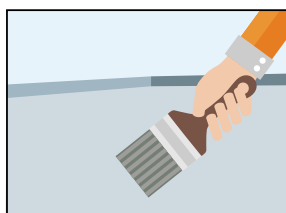
## Method of Application

### Surface Preparation



Prepare the surface by cleaning with a wire brush or scrubber to remove dirt, particles, and dust, followed by degreasing with solvents. Repair spalled concrete by cutting edges at least 10 mm deep for a strong bond. Clean and roughen the surface with scrubbing or grit blasting. Fully expose corroded rebar, remove scales, corrosion deposits, and clean the surface thoroughly.

### Waterproof Coating



Mix powder and liquid parts to form a smooth slurry. Let it stand for 5-10 minutes. Apply the first coat with a nylon brush, filling undulations, and add a glass fiber mesh. After 6-8 hours, apply the second coat. Air cure for 3-5 days; no water curing needed in bathrooms.



## Coverage

- **For normal applications:** (Sunk & Wet areas) 1 Kg Mix/m<sup>2</sup> in 2 Coats is recommended.
- **For water retaining Structure:** 1.5-2.0 Kg Mix/m<sup>2</sup> is recommended.
- Typically, 1.65-1.75 kg/sqm will give a 1 mm film thickness (DFT)

Coverage depends on the porosity of the surface and the method of application. The coverages mentioned are theoretical and based on test conditions. It is strongly recommended to conduct a site trial before mass application to ensure optimal results.



## Shelf life



### Best before 12 months

in sealed pack under proper storage.

- Failure to comply with the recommended storage conditioning may result in premature deterioration of the product or packaging.



## Health & Safety

- JUBIGUARD AQUASHIELD 2K is safe, non-toxic, and eco-friendly and presents no health hazard. As with all chemicals, caution should always be exercised.
- Use protective clothing such as rubber hand gloves & safety goggles, while using JUBIGUARD AQUASHIELD 2K.
- In case of contact with skin, wash with plenty of water.



## Precautions & Limitations

- Recommended dosage to be followed to achieve desired results.
- Do not dilute. Always add powder to liquid to avoid lump formation. Do not cure by flooding with water. Pond test for water tightness shall be carried out only after seven days of complete and proper curing.
- JUBIGUARD AQUASHIELD 2K does not provide a trafficable finish. In case the roof needs to be made trafficable a screed needs to be laid on the finished system. A bonding agent can be recommended (If required) for better bonding of screed.



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**For Feedback/complaints, write to Product Manager, CPD, Jubilant Agri and Consumer Products Limited**

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