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SHALIMAR PAINTS
SINCE 1902



ZERO DAMP 2K SYSTEM

MULTIPURPOSE COATING

ZERO DAMP 2K system is a two-component, acrylic polymer-modified cementitious waterproof coating system, which, upon mixing and hardening, provides an excellent water-resistant barrier. It offers excellent resistance to both positive and negative water pressure.

PRODUCT BENEFITS

WATERPROOF

HIGHLY FLEXIBLE

PRODUCT BENEFITS

1. Excellent waterproofing membrane with strong adhesion to concrete substrates.
2. Bonds to both porous and non-porous surfaces.
3. Breathable: Allows water vapour from within the substrate to escape.
4. It is non-toxic and chloride-free; hence, it does not adversely affect RCC.
5. It provides a dry film thickness of 1 mm, which additionally offers excellent anti-carbonation properties.
6. It is resistant to atmospheric carbon dioxide and chloride ion diffusion.
7. It offers hydrostatic water pressure resistance of up to a 50-metre head (5 bar water column) as per DIN 1048.

APPLICATION PROCESS

SURFACE PREPARATION:
Water ponding is a MUST-TO-DO before surface preparation to identify water leakages in the substrate. The surface to be applied should be free from oil, grease, dirt, etc. Repair all structural cracks, and fill and level all potholes and crevices. For best performance, dampen the surface with clean water.

MIXING:
Mix Part I (Powder) gradually into Part II (Liquid) using a mechanical stirrer. Mixing should be done for about 3 minutes until the mixture is homogeneous and free from lumps. Allow the mixed material to stand for 2–4 minutes to release the entrapped air during mixing.

APPLICATION

Apply using a short, stiff-bristle brush or roller. Care should be taken to ensure that layers thicker than 2.0 kg/m² (1 mm thickness) are avoided, as higher thickness tends to cause cracks in the system. Embed fibreglass mesh for better reinforcement in the first coat immediately while the coat is still wet. The second coat can be applied after 4–6 hours or after the previous coating has dried. Application of ZERO DAMP 2K should be followed by plaster or screed application, especially when exposed to open traffic on roofs, with the placement of >200 GSM geotextile as a separation layer between the coating and screed.

CURING:
Cure the application for 7 days at 30°C or 14 days at 20°C.

CLEANING EQUIPMENT:
ZERO DAMP 2K should be removed from the tools at the earliest, before it hardens, by cleaning with water.

Available Pack Sizes

3 kg

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PRODUCT PROPERTIES:

TEST PARAMETERS	STANDARDS	RESULTS
ElongationElongation	ASTM D 412	100% (±10%)
Tensile Strength	ASTM D 412	Up to 0.8 MPa
Crack Bridging Properties	ASTM C-836	Up to 1 mm
Positive Hydrostatic Pressure	DIN 1048	Up to 5 Bars
Negative Hydrostatic Pressure	DIN 1048	Up to 3 Bars
Toxicity	BS-6920 Part 1:2000	Passes
Water Vapour Permeability	ASTM E-96 / DIN 1048	Passes
Adhesion to Concrete	ASTM D 4541	Up to 1 MPa
Coverage	–	1.7 kg/m² (± 0.2 kg) / 2 coats / 1 mm (± 0.2 mm) DFT
Mix Density	IS 101/1964	1.700 (± 0.10) g/cc
Pot Life	IS 101/1964	60 to 90 minutes
DFT	–	1 mm (± 0.2 mm)
Ponding Test after 7 Days of Curing	–	For 48 hours only

Approved Test Methods:

IS 101, ASTM D 412, ASTM C-836, DIN 1048, ASTM C 1202:1997, BS 6920 Part 1:2000, ASTM E-96, ASTM D 4541, ASTM D 4548 and ASTM D 2370.

PRECAUTIONS



Wear protective gloves and goggles while processing the material. Avoid contact with eyes and skin. Ensure that the surrounding work area is protected during application.

HEALTH & SAFETY

- Contains Portland cement.
- Use hand gloves, as the material is alkaline in nature.
- Clean with plenty of water if any splashes occur in the eyes.
- Seek medical attention immediately if swallowed. Do not induce vomiting.

STORAGE & SHELF LIFE



It should be stored in dry conditions. Protect it from rain, moisture and frost. The shelf life is 24 months from the date of manufacture.

*For water proofing warranty on vertical surface will depends on the top coat used, for more details please refer to warranty booklet.

For Feedback/Complaints write at feedback@shalimarpaints.com
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DISCLAIMER

(*Spreading Capacity may vary depending upon the surface condition, porosity of the surface and method of application)

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