



# ZERO DAMP

## FIBRE REINFORCED ELASTOMERIC WATERPROOF COATING



ZERO DAMP has been formulated to confer long term protective and decorative properties to concrete and masonry surfaces. The water-proofing membrane of the coating acts as a barrier to the ingress of Water, Chlorides and Carbon Dioxide and other acid gases, but allows the passage of water vapour from the substrate. The fiber reinforced elastomeric nature of ZERO DAMP ensures good crack bridging properties, in case of structural movement. Can be used for building roofs, terraces, parapet, sunshades and exterior vertical walls, car parks, commercial and industrial buildings, bridges, subways, high rise flats.

## PRODUCT FEATURES



ANTI-CARBONATION  
PROPERTIES



ANTI ALGAL AND  
ANTI FUNGAL



CRACK BRIDGING  
TECHNOLOGY



COOLING SYSTEM  
WITH HEAT REFLECTION



EASY 2 COAT  
APPLICATION



EXCELLENT  
WHITENESS



SUPERIOR  
WATERPROOFING  
& WATER REPELLENT

## PRE PAINTING STEPS

### PLASTER :

New masonry surfaces must be allowed to cure completely. It is recommended to allow 28 days as the curing time for new masonry surfaces. The roof must have positive slope/ drainage system to avoid water ponding at places.

### CLEANING :

Surface should be free from any loose paint, dust or grease. Remove all existing bitumen coatings completely. It is recommended to use intense wire brushing, high speed water jet and vacuum cleaner for thorough cleaning of the surface to avoid "Peeling off" problems.

### REPAIRING :

The substrate must be checked for its soundness using small hammer. All cracks at corner joints, channels and parapets should be properly treated.

### FILLING FOR CRACKS :

For filling cracks use recommended Crack Sealer. Bigger cracks, damaged portions and hollow areas must be repaired.

## POST PAINTING CARE

For the best performance of the paint, ensure proper washing and cleaning of all algal and fungal growth, if any, at regular intervals of six months.

## APPLICATION PROCESS

### HORIZONTAL SURFACE:

1. Apply a fresh coat of Zero Damp with brush with suggested dilution of 30-35% by volume.
2. Allow it to dry for 4-6 hours and then apply another coat of Zero Damp with Brush/Roller without dilution.
3. Allow it to dry for 4-6 hours and then apply second coat of Zero Damp with Brush and Roller without dilution.

### VERTICAL SURFACE:

1. Apply a fresh coat of Zero Damp with brush with suggested dilution of 30-35% by volume as Self Priming.
2. Allow it to dry for 4-6 hours and then apply another coat of Zero Damp with Brush/Roller without dilution.
3. In case of top coat application go by the standard application procedure for top coat.

## PRODUCT BENEFITS

1. Very good resistance against weathering, ageing and UV rays.
2. Single pack and easy to apply.
3. Good Water Resistant.
4. Elastomeric & Fiber reinforced - Excellent Crack-Bridging property under expansive /contractive movement in structure.
5. Environmentally friendly (solvent free).
6. Excellent Adhesion to the substrate.
7. Good Algae / Fungal Resistance.
8. As a top coat have the ability the Surface temperature reduction up to 5°C.
9. Preventive protection for new as well as existing reinforced concrete structures exposed to aggressive environment.
10. High resistance against CO2 diffusion reducing the rate of carbonation.

## PRODUCT DATA & FEATURES

|  |  |   |                                |
|--|--|---|--------------------------------|
| Application Areas  | Terrace and Walls  | Appearance                                | Viscous liquid                 |
| Dilution for Priming   | 30-35 % by volume  | Shade                                     | White                          |
| Warranty   | 8 Years  | Finish                                    | Smooth                         |
| Temperature/Climate Protection                               | Up to 5° C   | Thinner/Cleaner                           | Soft water                     |
| Crack Bridging (@ 200 µ DFT)                                 | 1 mm   | Specific Gravity                          | 1.23 ± 0.01                    |
| Film Elongation (@ 200 µ DFT)                                | Up to 200%   | Recoatibility time @ 30°C , hrs.          | 5 Min                          |
| Application Method   | Horizontal Surface - 1 (self Prime) + 2<br>Vertical Surface - 1 (self Prime) + 1   | Water Vapor Transmission (ASTM D 1653-03) | 4.85 g / m <sup>2</sup> /day   |
| No. of coats required for waterproofing (ex. of primer coat) | 2*   | Anti- Carbonation Coating**               | Yes                            |
| Self-Priming   | Yes  | Chloride diffusion resistance             | 99.6 %                         |
| Coverage   | Horizontal Surface - 0.95 Sq.mtr/lit.<br>Vertical Surface - 2.45 to 3.5Sq.mtr/lit. | Pack size                                 | 1, 4, 10 & 20 Litre            |
| Type   | Single pack  | Composition                               | Based on pure Acrylic Emulsion |
| Adhesion with Concrete                                       | Excellent #  | Low VOC                                   | 35-45 g/liter                  |
| Shelf Life   | 3 Years @ 30°C if stored in a dry sealed container at shaded condition             | Application                               | Brush, Roller, spray           |
|  |  | Tensile Strength                          | >3N/mm <sup>2</sup>            |

## PRECAUTIONS



1. For previous painted surfaces remove old paint completely.
2. The substrate should have sufficient strength and free from unsound areas, pug holes, protrusions and pops.
3. For horizontal surfaces, use Shalimar Paints Zero Damp Joints Tapes at all joints & corners for better reinforcement.
4. For oily, existing failure coating surface, carry patch tests to check adhesion of product to substrate.
5. To get the optimum performance, maintain coverage as per data.
6. Do not apply during rains or extreme temperatures.
7. Not recommended for rain water harvesting.
8. Avoid abuses which may lead to puncturing of membrane.
9. Before application of Zero Damp putty application is not recommended

## SAFETY FEATURES



1. Please refer to the MSDS for Shalimar Paints Zero Damp, which gives detailed information on safety measures while handling the paint, which is available on request.
2. Store the container with the lid tightly closed in an upright position, in a cool, dry place
3. Keep out of reach of children and away from eatables.
4. May be harmful if swallowed. In case of ingestion, seek immediate medical attention.
5. Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
6. In case of skin contact immediately, wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
7. Do not breathe vapour or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation
8. Do not pour leftover paint down the drain or in watercourses.
9. In the event of spills, contain spillage using sand or earth.
10. No added Lead, Mercury or Chromium compounds

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

\*\* Equivalent Air Thickness (R) (@ 207 DFT) is 380 m (In Klopfer Criterion (R) for an effective anti-carbonation coating should be greater than 50 m).

# Adhesion with concrete is greater than 1 N/mm<sup>2</sup>.

For Feedback/Complaints write at [feedback@shalimarpaints.com](mailto: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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