



## DAMPSTOP

**Description:** Dampstop is a single pack high-performance polymer modified cement-based product, which on curing, forms a strong, flexible, waterproof coating over the substrate. The product has been formulated with a unique combination of flexible re-dispersible polymers, additives based on nano technology and crystalline penetrative salts.

### Application Area:

Dampstop is used for:

- Waterproofing of old or new concrete/masonry wall or plaster, especially, adjacent to wash-rooms, kitchens etc.
- Interior walls, showing rising dampness, efflorescence etc.

### Characteristics & Benefits

- User friendly – Ready-to-use , only water needs to be added
- Waterproofing – Protection of up to 7 bars 'positive' & 4 bars 'negative' hydrostatic pressure
- Adhesion – Brilliant bond strength with cementitious substrates
- Flexibility – Able to accommodate minor surface movements and bridge hairline cracks
- Breathability – Perfectly breathable to allow water vapour to pass through while blocking the liquid water, thus preventing pressure build up.
- Crystalline & Nano Technology – With available moisture in the substrate, the insoluble nano crystals are formed inside the pores, with subsequent volume expansion and thus acts as a pore blocker.

## METHOD OF APPLICATION:

### 1. Surface Preparation:

- The surface to be applied should be clean and sound, free from any kind of contamination, dirt etc.
- Thoroughly wire brush the surface and clean the dust by air compressor or by water jetting.
- Oil and grease must be removed using degreasing solvents.
- Any damaged surface must be repaired by using crack fillers or polymer modified repair mortar like Advanced Latex Plus.
- Take care of leakages in concealed pipes or all other sources of water, prior to application of the product.
- Very weak plaster must be replaced with a new one.

Finally the substrate must be properly pre-wetted to a saturated surface-dry condition.

### 2. Mixing:

- Add Dampstop to water and start mixing.
- Mix constantly with a stirrer using a pneumatic or electric power tool (1kw) at slow speed of 250 – 300 rpm for 3 - 5 minutes to get a homogeneous, putty like consistency.

### 3. Product Application:

Make sure that the application is on properly prepared bare plaster/concrete.

| Steps              | Dilution (Water) | Application Tool     | Inter-coat Period (30°C) |
|--------------------|------------------|----------------------|--------------------------|
| Self Priming       | 1 : 1            | Brush                | 4 – 6 hours              |
| 1st coat Treatment | 3 : 1            | Putty Knife / Trowel | 4 – 6 hours              |
| 2nd coat Treatment | 3 : 1            | Putty Knife / Trowel | 4 – 6 hours              |

Coverage: The coverage varies on the substrate quality, however, on a sound plastered substrate the coverage is expected to be a minimum of 8-9 sq.ft./kg, in a three layer application as mentioned above.

Finally, level the applied area with putty application.

- Apply Dampstop at least 2 ft. beyond in all directions from the affected area.
- Apply an additional coat of Dampstop in case of severe dampness.
- For best results, strictly follow the dilution and recommended coverage requirements.

### TECHNICAL DATA:

|                   |                   |
|-------------------|-------------------|
| Aspect            | White powder      |
| Apparent Density  | Around 0.75 g/cc  |
| Mix Density       | Around 1.5 g/cc   |
| Workability, 30°C | More than 2 hours |

### Usage Precautions:

- Do not add extra water for dilution.
- Do not add any powder material, externally. Always add powder to the liquid, vice-versa not recommended.
- Strictly recommended to not use directly on any non-cement surface, like POP / Gypsum / painted wall etc.
- Do not expose the applied substrate to water until it is completely cured.
- Must be protected from direct sunlight, foot traffic etc. at green stage of application.

### Shelf Life:

- Best before 12 months from date of production, if stored properly in unopened, undamaged, original packaging in dry conditions at (5 - 30)°C with protection from direct sunlight and frost.

### Storage:

- Store in cool and dry place.

### Packaging:

- 2 kg, 5 kg & 10 kg

### Health & Safety Precautions:

- While using Dampstop use rubber gloves, dust mask and safety goggles.
- No added lead, mercury and chromium compounds.

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