Product Information

BITUMIX BTM is a factory-made primer mortar designed for effectively sealing concrete and brickwork against moisture and water penetration. BITUMIX BTM works with the help of catalytic chemicals that penetrate the concrete and cement mortar’s capillary pores and micro fissures.

Benefits:
- User-friendly
- Requires only the addition of water
- Diffusion-open and waterproof
- Further moisture effects strengthen the impermeability

Use:
BITUMIX BTM is a unique chemical treatment for protecting concrete, cement-based mortars and brickwork from water penetration. The reaction is constant and will stop all future permeation of water. BITUMIX BTM is also useful for waterproofing construction joints between old and new concrete and cement-based mortars. Typical areas of use are sealing of exterior cellar walls, construction joints, swimming pools, marine constructions, purification plants, balconies, concrete flooring, etc.

BITUMIX BTM-75 is typically used for moist areas where there are no special requirements of water pressure or counter-pressure.

BITUMIX BTM-150 is used for more demanding waterproofing projects, where special requirements are made of water pressure, counter-pressure, catalytic penetration, etc. The two products can be used together for added benefit.

Preparation:
To achieve the best results, it is very important that the surface is suitable and is clean and open. The surface must be cleaned of any impurities such as oil, paint, glue and tape residue, epoxy, grease, bitumen, cement sludge, etc. Higher pressure cleaning with water, sandblasting, milling or grinding can be used for this purpose. If the surface is extremely smooth and dense, the surface must be opened, for instance by sanding or chipping. It is not advisable to use any kind of acid treatment. Repairs of holes and larger cracks are made using BITUMIX Aqua-stop or BITUMIX REP-4 (see separate datasheet). Before brush coating, it is important that the prepared surface is moistened with clean water. Bitusal recommends saturating the surface with water, so that it is still slightly absorbent.

Mixing:
Mix BITUMIX BTM with clean water until you get a creamy consistency that can be brushed or broomed onto the surface. The mixing ratio is 5 parts powder to 2 parts water. BITUMIX BTM can also be sprayed using a compressed-air spray gun with the mixing ratio: 5 parts powder to 3 parts water.

Application:
Apply BITUMIX BTM with a brush or broom. It is important that BITUMIX BTM is spread evenly and thoroughly brushed onto the surface. If using a compressed air gun, it is important to finish up with a broom or brush, to ensure that BITUMIX BTM covers the surface completely. In case of a 2nd treatment, the first layer must be sufficiently dry and sustainable before repeating the treatment with a new layer. If both products are used, typically BITUMIX BTM-150 is used first to achieve optimal penetration, followed by BITUMIX BTM-75 as a finishing layer.

Curing:
The treated surface must, to the degree possible, be kept moist with clean water for the entire hardening period.

Limitations:
Brush coating should not take place at temperatures under +5°C. BITUMIX BTM does not tolerate frost during the setting phase.

Cleaning:
Clean equipment, machinery and tools with water immediately after use.

Product data:
Manufactured for Bitusal ApS by:
Marlon Termertel A/S
Virkelyst 20, DK-8740 Bredstrup

Material type: Waterproofing active brush coating.

Expected penetration per week:
<table>
<thead>
<tr>
<th>Product</th>
<th>1 mm</th>
<th>2-3 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTM-75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BTM-150</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Water pressure with 2-layer solution:
<table>
<thead>
<tr>
<th>Product</th>
<th>5 m</th>
<th>175 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTM-75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BTM-150</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Colour: Light grey
Dry matter: 100%

pH value: 13

Consumption:
With one-layer: 1 kg powder per m²
With two-layer: First layer: 0.8 kg powder per m²
Second layer: 0.8 kg powder per m²

Mixing ratios:
As brush coating: 5 parts powder to 2 parts water
As spray: 5 parts powder to 3 parts water

Packaging type: 10 kg plastic tub.

Storage:
12 months in dry conditions in unopened packaging.

References:
Applicable safety datasheets can be downloaded from Bitusal.dk