



Top Proof BT 4000

Product Description

Polymer Modified, Bitumen Rubber-Based, Flexible, Water-Based Two-component, waterproofing coating. The product consisted of Polymer bitumen dispersion and the second part is powder mixture with special filler and chemical additive.

Product uses:

- As water and moisture proofing material in underground applications such as foundation, and basements.
- Protection and isolation of concrete structures elements, which are exposed to sewage water and continuous or temporary water pressure.
- As water proofing material in dry or slightly moist surfaces such as terrace, kitchen, bathroom, etc.,
- Isolation of mineral surfaces such as concrete, stone, brick, briquette, plaster, grout, etc.
- Repair of old isolations such as bituminous membrane, asphalt, etc.
- Fastening of heat insulation boards.

Properties

- High elasticity and capability of bridging cracks.
- Not affected by microorganisms and aggressive underground waters.
- Forms a flexible, covering and continuous asphalt layer on horizontal and vertical surfaces, dry and slightly moist surfaces.
- No damage to environment as it is water based. Easy to use indoors.
- No swelling and flaking by time due to very good adherence.

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Black
<i>Chemical structure:</i>	Two-component cement bitumen based
<i>Density:</i>	1.1 kg/liter
<i>Consumption:</i>	Insulation against moisture: min. 3.3 kg/m ² for a thickness of 3 mm Against non-pressure water: min. 4.4 kg/m ² for a thickness of 4 mm Against pressurized water: min. 6.6 kg/m ² for a thickness of 6 mm
<i>Recommended DFT: (Dry Film thickness)</i>	3000 – 60000 micron.
<i>Surface dry:</i>	20-30 approx. min (s) 23°C/73.4°F 50% R.H.
<i>Recoating time:</i>	3 -4 hours (23°C and 50% R.H.)
<i>Full dry:</i>	48 hours (23°C and 50 % R.H.)
<i>Application temperature:</i>	+10 °C/50° F and +35 °C/ 95°F

Application Details

<i>Application method:</i>	Brush trowel
<i>Thinner:</i>	Fresh water
<i>Thinner Amount:</i>	Brush (Do not Thin) – Trowel (Do not thin)



Surface Preparation:

Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles. The surface should be in a saturated surface dry condition. Weak parts of concrete should be repaired, loose textures should be scrapped. Any cracks and fractures on the surface should be repaired with repair mortars carefully and the surface should be prepared. After the surface is ready, one coat of concentrated primer should be applied. In open environments such as terraces, corners must be chamfered edges must be done horizontally or vertically at a 45 ° angle and made ready for insulation.

Mixing:

Put the liquid component into the mixing bowl and slowly pour the powder component into the liquid and keep mixing by low speed mixer without adding water until there is no lump. Wait for 5 minutes until it becomes viscous and then mix for 20 - 30 seconds and apply in one direction and corners with a brush.

PRECEDING COAT:

Concentrated Sealer

Application:

Application should be started no later than 5 hours after the primer application. Apply the substrate in two coats by brush, roller, spraying. The application of each layer should be perpendicular to the previous one, and should be completed at one time. The prepared mortar should be consumed within 30 minutes. Water is not added to the mixture externally. The powder component must always be added to the liquid component. Wait for 24 hours between coats. Drying time may be prolonged in low temperature and high humidity environments.

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- The surface should be protected from moisture and rain for 24 hours after application.
- All application tools and equipment should be cleaned with water immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above.

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.



Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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