



Water proof polymer cement

Description

This is a water proof cement based product which is strengthened by powerful chemical polymers. It is made based on the cutting-edge technology of polymeric cements. It is presented in various colors that give particular beauty to the surface.

This is a mortar made of particular additives to avoid water penetration. It becomes hard after getting dried and is not flexible. This product can be implemented in dry beddings.

Advantages

- Providing a water-proof cover in water reservoirs, ponds, swimming pools, tunnels, and elevator holes.
- Providing cover for the outer walls of the foundation and for the beddings that are in touch with water.

Applications

- To waterproof the surface of the buildings' surfaces and the best replacement for gum and tar materials
- To waterproof the reservoirs, pools and water channels.
- To waterproof the roofs and various vertical and horizontal surfaces.

Dosage

2 kilograms in each square meter if implemented by a brush. This dosage could be increased up to 6 kilograms in each square meter and it should be rubbed on the surface by a trowel.

Preparing the foundation surface

First wash the surface with water to remove the dust completely. when the surface is completely waterlogged, there is sufficient moisture to avoid the water absorption by beneath surface.





If there is a crack or gap on the surface, first wash it with water and then fill it with the repairing paste to overlap with the final surface.

Start your work from top to down.

The completion process should be done in two stages. The interval between two stages should be 30 minutes. If the implementation of the second stage is delayed for more than 15 hours, the beneath surface must be sprayed with water.

How to make the paste and implantation points

For each liter of water, add 2 kilograms of the powder gently and mix them with the mechanical mixer; continue the mixing process for 2 or 3 minutes to obtain a homogeneous paste. Then, wait for 5 minutes so that the polymers inside the paste start reacting chemically with the cement. Then, mix the paste again and rub it with a brush on the surface.

The prepared paste must be used in 45 minutes or at most 1 hour.

The underlying surface must be finished appropriately or be softened. The smoother the surface is, less water rest will be used.

Specifications

Appearance: color powder

Paste density: $2 \pm 0.2 \text{ gr/cm}^2$

Approximate efficiency: 2kg/m^2

Heating & cooling resistance: between -15 to + 70 degrees of centigrade

Appropriate implantation thickness: between 2 to 8 mm

Packaging and maintenance: keep in four-ply 25-kg pockets with plastic cover.

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Safety points

This powder contains no toxic materials. To avoid inhaling cement materials, use cloth mask.

