

Hydroeffect - hydrophobizator for building materials

HYDROEFFECT provides protection, restoration, renewal and preparation for storage **conservation** of **processable** materials by water proofing and protecting them from capillary rise **lift**.

HYDROEFFECT has unique qualities even while comparing with the most famous water proofing agents in the world.

As distinguished from existing domestic and foreign analogs that are retained on the surface only by weak adhesive power HYDROEFFECT permeates into the material at depth 10-20mm, creating strong chemical multilayer joining between coating and covered surface, thus forming one-piece monolith with the material. Therefore coating can be destroyed only under strong mechanical effect, that will be able to destroy material itself.

Specifications:

- wetting angle - 119-128°
- validity date expires when the bottom layer is destroyed
- compound is clean ecologically, neutral chemically, it does not contain toxic formula and heavy metals
- hydrophobic film is flame proof, resistant to diluted acids and alkali, UV radiation and temperatures from -60° and up to 200°C.

Scope of use

- concrete, foam concrete, paving piles
- marble
- airfield and road pavement,
- silicate bricks, lime stone, ceramic, shell stone, sand stone, natural and decorate stone
- plaster, roofing slate, façade covering, plastering and other coatings
- porous mineral surfaces
- wood
- metal
- paint coat
- waterproofing of basalt and other fiber
- other water-retaining materials of different origin

HYDROEFFECT characteristics:

- UV-resistant
- heat-resistant
- rust-preventing
- decreases contamination
- thermal diffusivity
- dusting while working on concrete floor
- protection from aggressive mediums, fungus, wall saltpeter

- retains permeability to vapor and gas

It is very important that water-retaining material covered with HYDROEFFECT (concrete, bricks, stone, etc.) can be painted with oil and water emulsion paint, thanks to high adhesion of protective material. Besides paint coating will be even more durable. It will not peel off the wall, ceiling since the usual cause of peeling off the paint is the expansion of water molecules, that come out of material when the water-retaining film blocks the water.

HYDROEFFECT provides different outside effect:

- it doesn't alter its appearance
- it imparts gloss
- provides "wet stone" effect, makes the color even and intensifies it, disguises small defects
- when adding coloring agent it gives a certain color to the surface

Method of application:

- **HYDROEFFECT** should be applied on the surface. The surface should be dry, cleaned from dirt, saltpetre, etc.
- treatment should be done at temperature not below 5°C and humidity not more than 80%
- **shake the container with HYDROEFFECT before use**
- **HYDROEFFECT** is applied with a brush, roller or a spray gun as long as the surface absorbs it without drips
- it is advised to apply HYDROEFFECT twice while treating high-porous materials

Repeated application

- water proofing agent with a water base should be applied in 1-3 hours when the first layer is not dried yet
- water proofing agent with organic base may be applied when the previous layer is dry

HYDROEFFECT consumption depends on porosity of the material and makes 50-200ml/m².

Checking the quality of the covering should be made after the surface is fully dry, not earlier than in three days. When the water is applied abundantly it should roll down in drops and the surface itself should not be moistened.

Safety precautions

Rubber gloves, mask and protective clothes should be used while working with the hydrophobizator.

The surface when dried up is non-toxic and flame-resistant.