

IZOTRATE



Unit of measurement	Pieces/Pallet	Consumption	Color/other specifications
20 kg/sack	54 pcs/pallet	0.75kg/m ²	Grey



IZOTRATE

Is a cement-based mortar. It is applied with a brush. It contains active chemicals, which when in contact with moisture and lime and lime hydroxide, enter a reaction, thus forming insoluble crystals. These crystals block the capillaries and cracks formed inside as a consequence of concrete shrinkages and swellings, thus preventing further absorption of water. IZOTRATE offers a number of advantages, among which we mention:

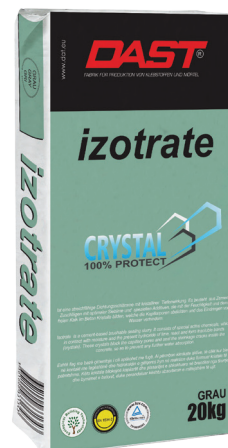
- Stays permanently active, thus permanently protecting the construction from the presence of water.
- Connects perfectly with the concrete, thus giving it the desirable qualities.
- Capable of closing cracks up to 400 micron, even if they appear after the application.
- In cases when the concrete surface or waterproof coat is damaged, there is no impact on the waterproofing of construction.
- Protects reinforced constructions with steel from corrosion.
- Is used to waterproof water deposits or surfaces that are in direct contact with water.
- Does not affect the chemical processes of other elements present in the concrete.
- Is easily used and has low costs.
- This product is classified as a coat for concrete protection.

AREA OF APPLICATION

It waterproofs concrete surfaces in cases of moisture presence and water pressure. IZOTRATE is suitable for waterproofing basements, manholes, wastewater deposits, and especially foundations.

PREPARATION OF THE SUPPORT

The support must be clean, free of dust and oils coats. For very smooth surfaces it is necessary to treat them beforehand with pressured water so as to roughen them. In places where you notice water leak, you should isolate them first.



IZOTRATE

In cases of obvious cracks in the concrete surface, first close them and then clean the surface. If there are wire residues sticking out from the surface where the product will be applied, they must be cut from 2 to 4 cm in depth, and the product will be applied only after the opened hole is closed.

APPLICATION

IZOTRATE is gradually added to the required quantity of water by stirring it continuously until a viscous mixture, appropriate for brush application, is formed. The surface where the product will be applied should be slightly wet but it should not have any quantities of stagnant water. The product should be applied in two layers which should not be thicker than 1 mm, so as to avoid possible cracks. The second layer is applied as long as the first layer is still wet. In cases when the first layer is completely dried, you should water the surface before the application of the next layer. Furthermore, after you finish the application, water the surface for the next 2 – 3 days. This way, the waterproof coat remains wet, thus gradually reinforcing its qualities. The watering of the surface should be made gradually after IZOTRATE has started to harden. This is made so as to avoid damages. Usually, the surface is watered 2 – 3 times a day. The final surface should be protected from rain and frost.



TECHNICAL DATA

Form	Powder
Color	Grey
Mixing density	1.3 gr/cm ³
Combustibility	Incombustible
Mixing ratio	
By spatula	6-7 L of water for 20 kg Izotrate
By brush	7-8 L of water for 20 kg Izotrate
pH of the mixture	12
Pot life	3-4 hours
Application time between two layers	after 1.5 hours at 23°C
Maximal thickness per layer	1 mm
Resistance in positive pressure	7 atm according to DIN 1048

FINAL DATA

Adhesive ability in concrete	≥ 3 N/mm ²
Resistance to moisture	Very good
Resistance to amortization	Very good
Permeability	Waterproof

STORAGE AND LONGEVITY

12 months from production date if stored in its original packaging, protected from frost and direct exposure to the sun.

izotrate

