

CRISTAPRUF CRYSTALLIZATION

Osmoseal

Description

Cristapruf a single component waterproofing system based on crystallization formation throughout the pores and capillary tracts of concrete to withstand strong hydrostatic pressure. It comes in powder form to be mixed with water before use. The material gives a strong and lasting waterproofing system against dampness, ground water and hydrostatic pressure.

Fields of Use

- For application to interior and exterior below grade surfaces, against concrete decay and waterborne corrosive salts.
- For application in negative waterproofing and horizontal structural slabs against hydrostatic pressure.
- Use to waterproof underground concrete structures affected by water infiltration such as: internal or external foundations, basements, lift shafts, underground garages and store rooms.
- Ideal for waterproofing internal and external concrete walls of tanks, cisterns containing drinking water or mildly aggressive liquids
- To waterproof the new or degraded concrete of reservoirs, drainage systems, tunnels.
- Use to waterproof external concrete structures below the water table affected by water infiltration.

Advantages

- Easy application makes for economical and fast work.
- Good penetration and surface adhesion.
- Maintains water vapour permeability.
- Excellent resistance to water pressure.
- Ideal for drinking water containers.

Application

- Make sure the substrate must be clean and free from laitance, oils, grease, curing agents or other foreign matter.
- Fill all voids, cracks, fillet edges and angles with non-shrink grout so that the prepared surface is sound, even and clean.
- Special care must be taken to ensure that the concrete surface is bathed with water until Crystapruff absorbs all the water necessary both for the osmotic process and for the chemical hardening reaction to take place. It is therefore vital to bathe the surface continuously until saturation point is reached. Excess water in the form of a superficial surface veil of water must be soaked up with a sponge. ON
- To prepare the mixture, crystapruff should be poured gradually, avoiding the formation of lumps, into the correct quantity of water (20%) to obtain a thin mortar of a consistency which may be applied by brush, the water mixing ratio is 5 liters of water to each 25 kg-bag of Cryst-

Technical Characteristics

Appearance	Powder
Colour	Grey
Resistance to compression after 28 days	40 kg/m ²
Resistance to flexion after 28 days	7 N/mm ²
Water permeability at 7 atm pressure	0.003 litre/m ² /h
Apparent Dry Density	1.2 kg/litre
Apparent Mortar Density	1.7 kg/litre
Adherence surface using tear test on concrete (concrete break)	>2.6 N/mm ²
Shelf Life in a dry place	6 months
Coverage	Approx 3 kg/m ² in two coats
Packaging	25 kg-bag