

PRODUCT No.: 3.150

HIDROTECMA

SUBSTRATE MINERALIZER AND BARRIER FORMING AGAINST ASCENDING DAMPNES

DESCRIPTION:

HIDROTECMA is a chemical compound, formulated based on components which, after vaporisation of diluents, cause, through chemical reactions, a process of remineralising and surface hardening in concrete, mortars and calcium stones.

When the product is injected inside these materials, there's a blocking of pores and capillaries due to molecular crystallisation, thus allowing the formation of inner barriers which avoid dampness ascending due to capillarity through vertical walls in buildings.

CHARACTERISTICS:

HIDROTECMA is a clear, colourless, alkaline, liquid product, with high density due to its high contents in solids. These solids, after crystallisation allow providing the treated substrate with higher surface resistance or through injection, getting barriers with blocked pores and capillaries which prevent dampness from ascending.

FIELDS OF APPLICATION:

HIDROTECMA can be applied as:

- mineraliser and surface hardener in walls, tanks, every type of concrete structure, stone façades, etc.
- former of waterproofing barriers against capillarity ascending dampness in vertical walls.

METHOD OF USE:

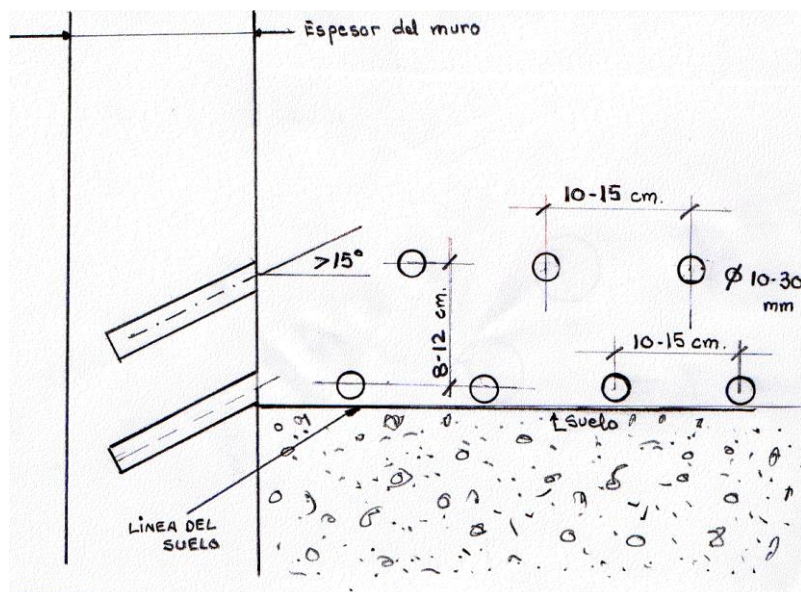
a).- As mineraliser and surface hardener **HIDROTECMA** can be applied with roller, hand spraying, or low pressure gun, 24 hours before applying, it's necessary to wet with plenty of water the surface to be treated. It's recommended, before applying, to protect all those elements made of glass, ceramics, wood, floors, etc., which are near the place where the application is going to be carried out.

The yield of **HIDROTECMA** will depend on the porosity of the substrate. In general we can mention an average of $1 - 1,5 \text{ kg/m}^2$.

b).- When applying **HIDROTECMA** as former of waterproofing barriers against capillarity ascending dampness, it's necessary to be sure that the injection of the product is made on the whole surface of the vertical wall, thus making a series of drilled holes on the wall according to the drawing hereunder.

The drillholes should form an angle of at least $15-20^\circ$ with the vertical surface, the diameter should be between 1 and 2 cm, separated about 10 and 15 cm one from the other and in zigzag sense related to the planes above and below.

The depth of the drillholes must reach two thirds of the wall being treated.



In every drillhole it's necessary to place an injection rod and the product will be injected with 5-6 bar pressure.

The amount of product will vary depending on the thickness of the wall. In general it's recommended to use 1-1,5 kg per drillhole.

In applications on brick, there can be whitish stains which disappear after 2 or 3 months.

PRECAUTIONS:

Irritating for eyes, skin and mucosae. Suitable measures should be taken in order to avoid contact with eyes, skin and mucosae. In case of contact with eyes, wash with plenty of water for at least 15 minutes. In case of contact with skin, wash with plenty of water and soap.

HIDROTECMA is an alkaline product, so it's necessary to protect all surfaces made of glass, wood, etc., which are near the application place.

PACKAGING:

HIDROTECMA is packaged in 10 and 30 kg non-reusable plastic containers.

ADVANTAGES

- AVOIDS CAPILLARITY ASCENDING DAMPNES.
- MINERALIZER AND HARDENER FOR DECAYED SURFACES.
 - CONTAINS NO SOLVENTS.
 - EASY TO APPLY

ED.2004/3