

Teknomer 110

Surface Applied Capillary Waterproofing Product



Public Pos. No: 04.477/3

Product Description

Cement based, single component, applied to concrete surfaces, reacts with water forming a crystallized structure waterproofing material, which blocks the passage of water and increases its effect as the water comes in.

Areas of Usage

- Elevator pits,
- Water storage, swimming and ornamental pools,
- Reinforced concrete pipes,
- In the ruin and infrastructure materials,
- Basically, on the basement walls,
- In engineering constructions such as metro, tunnel, dam, highway,
- It is used for negative and positive water insulation of buildings like basement walls.

Features and Benefits

- Effectively prevents water from passing through the surface due to crystallization.
- It is resistant to positive and negative water pressure.
- It is easy to use, mixed with plain water and used.

Application Instructions

The surfaces must be clean, smooth, solid, free from any antiadhesive substance such as dust, oil, dirt, rust, mold oil, detergent and waste. If there is segregation in concrete, it should be discarded and loose parts should be removed, weak parts should be removed. If there is crack, hollow on the floor or wall to be applied, it should be repaired with appropriate TEKNOREP repair mortars. TEKNOMER 110 application should be started 3-4 days later.

Make sure that the slab or concrete is thrown in the direction of the water stream. The correct control of the curve is made in the following way. Beginning from the beginning to the gauge, put a scale on it. If it is determined that there is no inclination or reverse slope in the control result, the application should not be started and the direction of the water flow should be adjusted by performing concrete and slab treatment. If necessary, additional screed or concrete must be poured. If the surface to be insulated is dry, it should be wetted and ready to be applied to the water.

The TEKNOMER 110 admixture, which is determined according to the cement dosage of the concrete in the transmixer, is mixed with a low speed drill in an appropriate container with about 7-7.5 kg of water and turned into an aqueous slurry. The prepared mixture is added to the rotating transmixer. Each mixture should be prepared with a maximum of one cup of TEKNOMER 110 and should be added to the concrete. In order to obtain a homogeneous mixture, the mixing time in the transmixer should be about 4-5 minutes.

Application Notes / Restrictions

- It should be used as max. 7kg per 1 m³.
- 2% of the cement dosage should be used.
- To prevent clumping, do not throw TEKNOMER 110 in powder form.
- After TEKNOMER 110 is added, the transmixer should never be stopped until the concrete is poured.
- After concrete casting, concrete surface should be cured with TEKNOKUR 100.
- If it is cement based, let the powder breathe, do not touch the skin and the pond.
- Foreign materials should not be added.

Technical Data

General Information	
Appearance	Grey Colored Powder
Shelf Life	12 months in unopened package in dry environment
Package	20 kg kraft bag
Application Information	
Application Temperature	(+5°C) - (+35°C)
Mixture Ratio	7-7,5 l water / 20 kg powder
Mixing Time	5-6 min for Bucket / 5 min for At Transmixer
Mortar Density	~ 2 kg / liter
Hazardous Substances	See the safety data sheet.

Consumption Table

Teknomer 110	Mixture Density (kg / liter)	1 m ² for 2 floors Powder Consumption (kg)	Mixture Water Amount (liters)
20 kg kraft bag	~2,12	2,1	7-7,5

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20 ° C air temperature and 50% relative air humidity.

