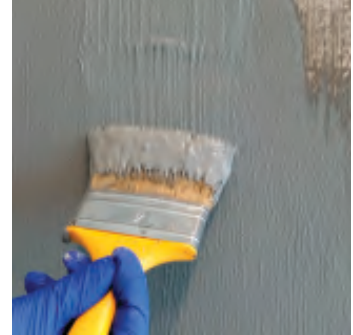


Teknomer 200 Ex Kristalize

Two Component Crystallized Waterproofing Material



Public Pos. No: 04.477/2

Product Description

Full elastic waterproofing and concrete protection mortar which can be applied negatively or externally (positively) against leakage and surface water, consisting of cement based powder compound containing emulsion polymer based liquid component, water impermeability and workability enhancing chemical additives.

Areas of Usage

- Indoors and outdoors, in vertical and horizontal applications,
- In wet rooms like bathrooms, showers, wc,
- In wet, wet and damp areas such as garage, balcony, terrace and pantry,
- In the foundation and curtain walls, in the elevator pit, on the outer walls of the basements,
- In the tunnels, in the healing of old structures,
- On both the positive and negative sides,
- It is applied on surfaces such as concrete, plaster, screed.

Features and Benefits

- It is resistant to negative and positive water pressure.
- It has high adhesion strength
- It is not corrosive to steel or steel.
- Applicable on horizontal and vertical surfaces.
- Prevents carbonation in concrete.
- All types of stone and stone derived bricks, pumice bricks, briquettes, gazebos, concrete blocks, limestone and so on. brick and plastered surfaces.
- It is resistant to freeze-thawing.
- Easy to apply by brush, roller or spray.

Application Instructions

The surface should be free from residues that will prevent adhesion. Care must be taken to ensure that the surface is covered and firm. If there are any defects on the surface to be applied, it should be corrected with TEKNOREP 300. If active water leak is present, stop using TEKNOPLUG.

The application surface should be protected from sun, rain and dust for 1 day and should not be applied under direct sunlight. Before application, the surface must be soaked in water to saturate it. During application, care should be taken to ensure that the surface is not wet but damp.

10l of liquid component should be taken in a clean mix bowl and 25 kg powder mortar should be slowly poured onto it and mixed thoroughly so that no lumps remain. The amount of water can be adjusted with the metered bin of the liquid component. It is recommended to mix for at least 5 minutes with a low speed mixer less than 500 rpm. Mortar should be rested for 2-3 minutes to mature, stir for 2-3 minutes before starting to apply.

The prepared mortar should be applied as 2 or 3 coats with roller or brush. The direction of application on each side should be perpendicular to the previous one. It should be at least 3 hours depending on the temperature between coats. The surface must be slightly moistened for more than 12 hours of waiting time. A total application thickness of approx. 3 mm will suffice. Corner should be chamfered with Teknomer Pah Bandı to the corner of the application place. The prepared mortar should be consumed within 2 hours. This can be shortened in applications that are carried out under unfavorable ambient conditions such as high temperature, low humidity, wind. Expired mortar should be discarded. After application, hands and application tools should be washed with plenty of water. After application, the surface should be protected from direct sunlight, frost and wind for at least 1 day.

- Thick application should be avoided in one go.
- If the TEKNOMER 200 EX is to be exposed to the sun, sunlight or traffic on the applied surface; must be covered with a protective coating material such as alum, ceramic.
- Application areas should be waited for at least 7 days before receiving or coating. If the application area is a water tank, the product is expected to cure for at least 28 days and after curing the tank is washed with hot water.
- If it is cement based, let the powder breathe, do not touch the skin and the pond. Please refer to the Safety Data Sheet for further information

Technical Data

General Information	
Appearance	Component 1: Grey powder; 2.. Component: White liquid
Shelf Life (Powder and Liquid)	12 months in unopened package in dry environment
Application Information	
Application Temperature	(+5°C) - (+35°C)
Mixture Ratio	10 lt of liquid / 25 kg powder
Mixing	~ 5 min. Max. With 500 rpm mixer
Pot Life	45 min.
Consumption (for 1 mm Thickness)	1.4 kg/m ²
Waiting Time Between Coats	3-6
Time To Put Into Service	1 Week
Performance Information	
Water impermeability	10 bar (negative) 10 bar (positive)
Adhesion Strength (EN 14891)	≥ 1,00 N/mm ²
Concrete Adhesion Strength (EN 1542)	≥ 0.80 N/mm ²
Water Vapor Transmission Rate (EN ISO 7783)	Class; Sd <5 m
Water Transmission Rate (EN 1062-3)	< 0.1 kg/m ² h ^{0,5}
Crack Bridging (EN 1062-7)	0,5 mm -1,25 mm A3 Class
Crack Bridging - Netted Application (EN 1062-7)	> 2,50 mm

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 and valid for its performance after 28 days.

