

Teknomer 200 Kristalize

Two Component Crystallized Waterproofing Material



Public Pos. No: 10.300.2172

Product Description Emulsion polymer based liquid component, containing waterproofing and workability enhancing chemical additive, waterproofing and concrete protection mortar which is composed of cementitious powdered compound and can be applied negatively or externally (positive) against leakage and surface waters.

Areas of Usage

- Indoors and outdoors, in vertical and horizontal applications,
- In wet-volume areas such as bathrooms, showers, wc,
- In water tanks,
- Basic and curtain walls,
- Tunnels,
- In elevator pits,
- In the brine pools,
- In fish breeding ponds,
- 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.
- 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. If active water leak is present, stop using TEKNOPUG.

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. 2 l of liquid component and 5,0 - 6,0 l of mixing water should be placed in a clean mix bowl; 25 kg of powdered component should be mixed thoroughly so that it does not become a lump by slowly discharging it onto it. The amount of water can be adjusted with the metered bin of the liquid component. It is recommended that the mix be made with a low speed mixer less than 500 rpm (3-5 min.).

The mortar should be rested for 2-3 minutes to mature, then mixed again for 2-3 min. before application. 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 the TEKNOMER Chamfer Tapes to the corner of the application place.

Application Notes / Restrictions

- The prepared mortar should be consumed within 2 hours. Not suitable for high temperature, low humidity, wind this time may be shortened in the application in the ambient conditions. Expired mortar should be discarded. After application, hands and application tools should be washed with plenty of water.
- The entire application should not be done at once.
- If TEKONOMER 200 is to be exposed to sunlight or traffic over 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
Package	27 kg Set
Mixture Ratio	2 l of liquid / 5-6 l of water / 25 kg powder
Application Information	
Application Temperature	(+5°C) - (+35°C)
Pot Life	~2 hours
Time to Open the Trailer	1 Week
Performance Information	
Water Impermeability	4 bar (negative) 7 bar (positive)
Concrete Adhesion Strength (EN 1542)	≥ 1,00 N/mm ²
Adhesion Strength Thermal Cycling With De-icing Salt Impact (EN 13687-3 / EN 1542)	≥ 1,00 N/mm ²
Bond Strength After Heat Aging (EN1062-11 / EN 1542)	≥ 1,00 N/mm ²
Water Vapor Transmision Rate (EN ISO 7783)	Class 1; Sd < 5 m
Water Transmision Rate (EN 1062-3)	< 0.1 kg / m ² h ^{0.5}
Temperature Resistance	(-30°C) - (+80°C)
Hazardous Substances	See the safety data sheet
Fire Classification	Bs 1d0

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.

