

Chelfix Proof 200 Flex

Cement and Acrylic Based, Two Component, Super Elastic Waterproofing Material



TS EN 14891, TS EN 1504-2

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Product Description Two component, cement and acrylic based, polymer reinforced, super elastic, waterproofing with special additives. It is applied internally or externally on concrete, curtain and cement based plots against leakage and surface waters.

Areas of Usage

- Houses, shopping centers, hospitals,
- In vertical and horizontal applications in interior and exterior spaces,
- In its basic insulation and retaining walls,
- In facilities such as hot springs and baths,
- Water storage, swimming and ornamental pools,
- On the terraces (with the condition of being protected)
- It is used in wet spaces such as bathroom, wc, balcony.

Features and Benefits

- Water is not required.
- Hand or spray can be applied.
- The working period is long.
- It does not shrink or crack.
- It can be applied to fresh screed and concrete surfaces thanks to crack bridging feature.
- It prevents carbonation in concrete
- It does not contain corrosive and toxic substances and can be used in drinking water tanks.
- Protects concrete against sea water and carbon dioxide gas to ice-melting salts such as calcium and sodium chloride.
- It has high resistance to chlorine ions.

Application Instructions

Surface Quality: 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 repair mortars.

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.

Surface Preparation: If the surface to be insulated is dry, it should be wetted and ready to be applied to the water. Tapered corners and edges should be chamfered with Chelfix rep 300 thick repair mortar. Chamfer Tapes should be applied to all the corners beforehand on ceramic floors and wet rooms and balconies.

20 kg of powdered mortar should be mixed thoroughly so that no lumps are left by pouring slowly onto 10 l of liquid component. It is recommended that the mix be made with a low speed mixer less than 500 rpm. For the mortar to mature, it should be rest for 2 minutes and it should be mixed again for 1-2 minutes before application. The prepared mortar should be applied as 2 coats with roller or brush. Wait 5-6 hours depending on the temperature between coats. The coats should be applied perpendicular to each other. A total application thickness of 2-3 mm will suffice.

Application Notes / Restrictions

- Thick application should be avoided in one go.
- Care should be taken not to damage the insulation material mechanically during the coating process.
Since it's cement based, do not breathe its dust, prevent contact with skin and hands.
- Do not apply to wood, chipboard, mdf, plywood, PVC and metal surfaces.
- Only the liquid should be used in the mixture. Absolutely no water should be added.
- Foreign materials should not be added.
- Protection is required to achieve long-term performance expected from the product. Tiles, ceramics, plaster and screed should be applied after 3 days in order to protect against punctures, scratches and crushes which may occur after application.
- It must be protected after application against adverse weather conditions such as direct sunlight, high air temperature (above +35°C), rain and frost. The product should be cleaned thoroughly with water and detergent before it is fully cured and hardened.
- Immediately after application, before hardened, the equipment should be cleaned with water. After the product is hardened, it should be cleaned by mechanical methods.
- After Chelfix Proof 200 Flex is thoroughly mixed and rested for 3-5 minutes, the water is applied to the saturated surface with the aid of brush and / or trowel without losing its moisture. After receiving the first set of material, 2. layer application is done in the perpendicular direction of the first layer application. If desired, it can be used as carrier glass fiber reinforcement throughout the floors. Waiting time between floors; one. After the application of the 1st coat, it can be applied to the other floors when there is no trace on the fingers.

Technical Data

General Information	
Color	Component A, grey, powder; B Component white, liquid
The Color of the Mixture	Grey
Package	30 kgs. set
Shelf Life	12 months in unopened package in dry environment
Application Information	
Water Vapor Transfer Rate	Class; Sd < 5 (TS EN ISO 7783)
Time to Put into Service	3-7 days
Mixture Density	1,67 (± 0,02) kg/lt
Pot Life	> 60 min
Waiting Time Between Coats	5-6 hours
Performance Information	
Adhesion Strength	≥ 1.0 N/mm ² (TS EN 1542)
Capillary Water Absorption Value	< 0.1 kg / (m ² h ^{0.5}) (TS EN 1062-3)
Crack-bridging.	> 2.5 mm (A5) (EN 1062-7)
After Thermal Aging Adhesion Strength	≥ 1.0 N/mm ² (EN 1062-11: EN 1542)
Pressurized Water Resistance	7 Bars Positive (TS EN 1928)
Water Vapor Transfer	Class ; Sd < 5 (EN ISO 7783)
Chlorine Ion Diffusion	≤ 200 Coulomb (Class: Very low permeability) (ASTMC1202)
Carbon dioxide permeability	Sd > 50 m (Sd: Equivalent air layer thickness) EN 1062-6)
Without Defrosting Salt Effect Adhesion Strength	≥ 1,0 N/mm ² (EN 13687-3 / EN 1542)
Temperature Resistance of Cured Product	(-40°C) - (+80°C)
Hazardous Substances	According to Article 5.3
Fire Response	Cs1d0

Consumption Table

Chelfix Proof 200 Flex	Mixture Density (kg / liter)	1m² for 2 floors Powder Consumption (kg)
30 kg set	~1,67	2,5 – 3