

Chelfix Proof WP 280

Water Based, Polyurethane Dispersion and Waterproofing Material

Product Description

CHELFIX Proof WP 280 is one component water based, polyurethane dispersion and waterproofing material.

Areas of Usage

- In water tanks and ornamental ponds,
- Under ceramic and tiles in wet areas such as bathrooms and toilets,
- On terraces and in areas with light pedestrian traffic,
- It is used as elastic waterproofing material on reinforced concrete, galvanised sheet metal, polyurethane foam, zinc, hidden stream surfaces.

Features and Benefits

- UV resistant,
- Elastomer,
- High water resistance, does not lose its properties when exposed to water
- Water absorption is lower than water-based products used for similar purposes
- Water resistance and/or hydrolysis resistance is higher than equivalent water-based products,
- Adheres to all kinds of mineral surfaces without primer,
- It is long-lasting and resistant to cracking also at low temperatures,
- It is applied directly by brush, roller or spray,
- It can be painted with water-based coatings and covered with ceramic,
- Adheres to old bituminous membrane and coating
- The applied material which is damaged after application can be repaired again with CHELFIX Proof WP 280

Application Instructions

Surfaces must be clean, smooth, solid, free from all kinds of dust, oil, dirt, rust, mould oil, detergent and similar materials and wastes preventing adhesion. If there is segregation in concrete, broken and loose 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. CHELFIX Proof WP 280 should be applied after 3-4 days.

Make sure that the slope screed or concrete is laid in the direction of water flow. Control of the slope; A gauge is held from the starting side towards the drain and a scale is placed on it. If it is determined that there is no slope or reverse slope as a result of the control, the application should not be started. The direction of water flow should be adjusted by treating concrete and screed.

If there is water accumulation and ponding on the surface, it should be removed. In wet areas and balconies on which ceramic tiles will be applied, all corners should be treated with CHAMFER TAPES beforehand.

Application Notes/ Restrictions

- No other materials or products should be added to the package of CHELFIX Proof WP 280 externally.
- Protection is required to obtain the long-term performance which is expected from the product. In order to protect against all kinds of punctures, scratches and impacts that may occur after application, tiles, ceramics, plaster, screed should be applied after 3 days.
- It should not be applied on surfaces that are frozen, melting or in danger of freezing within 24 hours.
- CHELFIX Proof WP 280 is mixed in its own container with a low speed mixer until a homogenous mixture is obtained. Mixing time should be minimum 5 minutes.
- Well mixed and rested CHELFIX Proof WP 280 is applied to the surface with a brush or roller without losing its moisture.
- The application should be protected against rain and frost.
- Fibre reinforcement can be placed between the layers in the application,
- Waiting time between coats is at least 5 hours
- The 1st coat and the other coats should be applied perpendicular to each other, at 90°C.
- The product must be completely dry for the water test

Technical Data

General Information	
Density, g/cm ³ , kg/m ³	1,42
Tensile Strenght, N/mm ²	4,4
Shore A	55
Elogation, %	600
Water Pressure Resistance, 1,2 mm, Bar	2,5
Crack Bridging, mm,(For application film thickness 1mm and above)	≥ 5
Adhesion Strength, Mpa	1,2
Color	Grey and White
Consumption, kg/m ² For 1 mm dry film	1,5 - 2
Package	5 kg and 20 kg platic pails
Curing time, 25 °C, days	7
Shelf Life	12 months
Water absorption, 24 hours, %	7
Viscosity and tools to apply	Brush or roller
Service temperature	(-30 °C) - (+80°C)
Applicable Floor Temperature	(+10 °C) - (+30°C)