

# Chelfix EP1200

Epoxy Based, Two Component, Water Based Primer

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## Product Description

Solventless, water based epoxy resin based two component primer.

## Areas of Application

- It may be applied on concrete surfaces in outer and inner spaces.
- It may be used in factories where chemical products are produced or places exposed to chemicals.
- In food factories. It is also suitable on glossy surfaces such as granite, tile and for wall, ceiling and floorings.
- As primer on surfaces which are moisture and the places which moisture is increasing.



## Advantages

- Easy and fast application
- It is suitable for especially quite absorbent surfaces.
- Water based and odourless
- It can be used in places without ventilation.
- It has very good adherence resistance at all application temperatures.
- It is environment friendly.
- Water vapor permeability is available.
- Suitable for potable water.

## Application instructions

Concrete surface should be clean, steady and adequate compressive strength (minimum 25 N/mm<sup>2</sup>), minimum tensile strength (pull off) 1,5 N/mm<sup>2</sup>. The surface may be damp but not free water (no accumulated on the surface) and should be free from foreign materials such as dirt, oil, coating surface curing materials. Concrete surfaces should be prepared to obtain an open porous surface by removing cement shrapnel using abrasive equipment. The weak concrete should be removed, the eyelet gaps, the holes should be made completely open. Surface repairs, eyelet gaps/holes, filling and surface correction should be done with Chelfix Rep 300. High places on the surface should be abrasive, sanded and cleaned. All dust, loose and friable particles should be removed from the surface with a brush and/or vacuum cleaner before application of the product. After the component A is thoroughly mixed, the component B is added and mixed with a low speed drill for 2- 3 minutes until a homogeneous mixture is obtained. The material should not be prepared more than the amount that can be applied for the duration of the mixing life.

Leaving water or opening for pedestrian traffic shouldn't be allowed before Chelfix EP 1200 completes its cure. Duration to open to traffic is 24 hours.

It should be made with low-speed mixer. Mixing with hand should be avoided. Resin and hardener may be applied by mixing after weighing on a sensitive balance in same amounts for smaller applications.

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## Application Notes / Restrictions

- Product may irritate the skin. Protective gloves, mask and goggles should be used.
- In case of contacting with eyes, eyes should be washed with warm water immediately and medical advice should be sought.
- Immediately after application, equipment should be cleaned with water before curing.
- After application, it should be protected against adverse weather conditions such as direct sunlight, severe wind, high air temperature (above +35°C) rain and frost.
- As soon as the reaction is finished and the hardening is complete, the areas in contact with the skin should be cleaned with water and detergent.
- If the waiting period between layers is exceeded, the surface should be sanded for good adhesion.

## Technical Data

Technical Properties :	
General Information	
Color (Resin and Hardener Mixture)	Transparent Yellow
Mixture Density (A + B)	A Component : 1,05±0,03 (g/ml) B Component : 1,10±0,03 (g/ml) (EN ISO 2811 -1) Mixture : 1,07 ±0,03 (g/ml)
Package	15 kg set
Application Information	
Application Temperature	(-20 °C) - (+60 °C)
Mixture Ratio (Weight)	11 Unit A component, 4 Birim B Component (By weight)
Pot Life	2-3 hours
Performance Information	
Expiration Date	12 months after production date
Waiting Period Between Layers	Min. 24 max. 48 hurs
Full Strength	7 days
Consumption	150-250 gr / m <sup>2</sup> ( As a primer ) 500-600 gr / m <sup>2</sup> ( As moisture barrier )
Technical information is approximate value obtained from the Chelfix Construction Chemicals Laboratory works and are valid far the performance of the finished product in 27 days, which are obtained at + 20°C temperature and 50% relative air humidity rate.	