

TECHNICAL DATA

CORU EP 114



PRODUCT DESCRIPTION

It is a two-component, epoxy-based, solvent-free, filled primer and impregnation material.

FEATURES

- It is used as a primer that provides ground preparation and binding properties under epoxy and polyurethane coatings.
- Since it has low viscosity, it impregnates the concrete very well.
- Provides excellent adhesion to concrete, cement and mineral based surfaces.
- It increases the durability of old and new flooring, prevents dusting and is used to repair surface damage.
- It is used in superficial crack repair and filling works.
- It is easily applied with a scraping trowel.

AREAS OF USE

- In epoxy and polyurethane floor coating systems,
 - It can be used for leveling and filling purposes by adding dried silica sand to it.
-

APPLICATION

Surface preparation: Mechanical surface preparation (blastrack, rotatiger etc.) should be done. The dust layer formed should be swept with industrial vacuum cleaners, the surface to be applied should be solid, dry and clean. Any dust, oil, paraffin, bitumen and adherence reducing parts that will prevent adhesion to the surface should be cleaned and all loose parts such as mortar, plaster etc. should be cleaned from the surface. Concrete quality should be at least C20 / 25, 28 days old. The tensile strength of the reinforced concrete surface should be 1.5 N/mm², humidity rate should be 4%, and the ground surface temperature should be +8 °C. The success of the application depends on the correct preparation of the ground and the correct use of the material. Abrasion and roughening process is carried out with the method to be selected according to the condition of the surface. The surface is completely cleaned of dust with an industrial vacuum cleaner and made ready for application. **Mixing Method:** CORU EP 114 is balanced according to the appropriate mixing amount in two-component packages. (A component: resin, B component: hardener). The ready-to-use material is obtained by mechanically mixing these two components very well. All of the B component is poured into the A component at once and the mixture should be done by selecting a low-speed (300-400 rpm) mixer and a suitable tip until it becomes homogeneous. In order to achieve the same distribution of the hardener, the mixer should be done from the edges of the container where the mixture is located and from the bottom of the package. The two components should be mixed very well together. It is recommended to pour it into another clean container and mix again for 3-4 minutes. Aggregate can be added to CORU EP 114 on site. This process should be done into the prepared homogeneous resin mixture.

APPLICATION: CORU EP 114 is applied with a trowel or notched trowel. The prepared mixture is applied homogeneously to the previously prepared surface with the selected method. CORUEP 114 is applied in one or two layers until the surface is saturated and a layer is created. The next layer follows the previous one before it starts to dry. If a rough surface is desired; while the applied material is still wet, specially obtained silica sand is sprinkled to cover the entire surface. After the material has completely dried, the excess sand is swept away with an industrial broom.

- CORUEP 114 can be applied homogeneously to the surface with a fine notched trowel or short-haired roller, controlling material consumption.
- The material must be protected against water, rain, external factors and mechanical stress until it has set.
- It should be noted that the waiting time may be shorter in hot weather and longer in cold weather.

TECHNICAL SPECIFICATIONS

Colour	Transparent, colorless
Intensity	1,75 ± 0,05 gr/cm ³ (A+B / 23 °C de)
Solids by Volume (A + B)	%100 (A+B)
Mixing Ratio	2.5 : 1 (A:B - by weight)
Mixture Usage Time (+10°C)	60 minutes
Mixture Usage Time (+25°C)	30 - 35 minutes
Waiting Time Between Floors	8 -12 saat 20°C de
Adhesion to Concrete	2,2 – 2,4 N / mm ²
Opening to Light Traffic	12 – 24 hours / 20°C the
Full Cure	7 days / at 20°C
Ambient Temperature	+8°C -+ 35°C from
Surface Temperature	+8°C -+ 35°C from

STORAGE, PACKAGING, CONSUMPTION

- It should be protected from adverse weather conditions.
- It should be stored in a dry, cool, closed environment (+10°C and +25°C).
- The opened and mixed product should be consumed immediately.
- It has a shelf life of 12 months in its unopened packaging, in dry places at a minimum temperature of +5 °C.
- Component A: 15 kg tin - Component B: 6 kg tin
- Depending on the quality of the concrete to be applied; theoretical values of 0.300 kg/m² - 0.500 kg/m² are recommended. The porous structure of the ground, absorbency, etc. may increase consumption. It is recommended to make a test on the ground to control consumption.

SAFETY AND WARNINGS

- In applications to be carried out in closed areas, the environment should be well ventilated.
- In cold weather, packages must be stored at least 24 hours and at a minimum temperature of +15°C before application.
- After application, the surface must be protected against water, rain, dew, snow, hail, frost and similar climatic effects until it is completely dry.
- Do not approach with open flame and do not smoke during application.
- Use gloves, goggles and protective clothing. In case of contact with skin, wash with soap and plenty of water.
- Do not swallow, do not use empty packages to store food, and do not throw them into fire.
- For professional use only, keep out of reach of children.
- Users should refer to the latest Material Safety Data Sheets, which include physical, ecological, toxicological and other safety-related data, for information and advice on the safe handling, storage and disposal of chemical products.