

INNO-FEES FOX BETON RP30

C30 Strength, Ready Dry Concrete/Screed Mortar

Description

FOX BETON RP30, Cement-based, factory-mixed ready dry concrete/screed mortar with polymer additives, fiber reinforced, C30 concrete strength.

Fields of Application

- Indoors and outdoors,
- Correcting surface defects and eliminating level differences,
- Where smooth, polished finish is desired,
- In door and window lintels, beams and lintels,
- It is used in flooring and in many areas.

Advantages

- Easy application,
- It saves time and labor,
- It prevents crack formation thanks to the additives it contains.
- Thanks to its homogeneous mixture, it provides the same and high strength at every point of application.
- Since it is a ready mix, material wastage is at minimum level.

Technical Properties

Structure of Material		Cement Based, polymer and fiber reinforced
Fresh Mortar Density		2,05±0,05 kg/m ³
Mixing Ratio		2,625 ± 0,25 lt (for 25 kg powder)
Color		Grey
Compressive Strength	EN 13813	≥30 N/mm ²
Flexural Strength	EN 13813	≥6 N/mm ²
Grain Size		4 mm
Reaction to Fire		A1
Application Thickness		10 cm-40 cm
Application Surface Temperature		+5°C / +35°C
Usage Time		60 min.
Full Time Curing		28 Days

The above values are given at +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures lengthen the time.

Application Procedure

Preparation of Substrate

The substrate must be clean, dry, dust-free, sound, not frozen, salt/lime vomited. Cement, plaster, plaster etc. on the floor. If there are substances, the floor should be cleaned. Weak concrete pieces should be removed from the surface, small gaps and holes should be made completely open. The resulting dust should be cleaned with the help of industrial vacuum cleaner. In applications to be made on concrete and existing screed, it is important to prime the surface with a specially prepared primer with **FOX BINDER FM125** to increase adhesion.

Priming

FOX BETON RP30 In order to increase adherence in application, the surface should be primed with wet application method. Mixture is prepared for priming by adding 2 units of water to 1 unit of cement and 1 unit of **FOX BINDER FM125**. The mixture, which is brought to a consistency that can be applied with a brush, is spread homogeneously with a consumption of **0,35 kg/m²** on the moistened floor that has been cleaned 12 hours beforehand. **FOX BETON RP30** should be applied on the primer before allowing it to dry.

Mixing Ratios

For mortar consistency:

Approximately 105-115 ml of water should be used for 1 kg of **FOX BETON RP30**.

Approximately 2,625 - 2,875 liters of water should be used for 25 kg/bag **FOX BETON RP30**.



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For dry screed consistency:

Approximately 95-105 ml of water should be used for 1 kg of **FOX BETON RP30**.

Approximately 2,375-2,625 liters of water should be used for 25 kg/bag **FOX BETON RP30**.

Application

Surface Smoothing, Screed Applications

FOX BETON RP30, should be mixed with a concrete mixer or hand mixer in the bucket for 4-5 minutes until it becomes homogeneous. It is spread and corrected with the help of a trowel or other necessary hand tools. Premature drying of the mortar should be prevented. It should dry under natural conditions. There is a risk of cracking and not reaching the desired strength conditions of the mortar, which is dried by drafting or by being forced to dry by external factors. Depending on the weather conditions, the product can be polished on the surface with the help of tray polishing after approximately 1,5-2 hours. If the outdoor conditions are very challenging for 1 week from the day the product is applied, it should be covered or wetted.

Consumption

For 1 cm application: 20-22 kg/m²

Watch Points

- In the application of **FOX BETON RP30**, if the ambient and surface temperature is below +5°C or above +35°C, appropriate temperatures should be expected.
- The applied fresh product should be protected from sunlight and wind so that it does not dry quickly.
- Do not apply in extremely hot, rainy or windy weather. The materials to be used in the application area should be brought and stored 1-2 days in advance and it should be ensured that they adapt to the ambient conditions.
- In applications to be made in extremely cold weather, the ambient and floor temperature should be increased with heaters, and the materials to be used should be conditioned at +20°C - +25°C and made ready for application.
- Working and reaction times of cement-based systems are affected by ambient and ground temperature and relative humidity in the air. The reaction slows down at low temperatures, which extends pan (pot) life and working time. High temperatures accelerate the reaction and the times mentioned above are shortened accordingly.
- In order for the material to complete its curing, the ambient and ground temperature must not fall below the minimum allowable temperature.
- If the mixing water amounts specified in the technical document are exceeded, the product will experience a loss of strength.

Package

25 kg kraft bag

Shelf Life

Shelf life is 12 months from the date of production when properly stored at room temperature, away from direct sunlight between +5°C and +30°C.

Storage

It should be stored in its unopened original package, in a cool and dry environment, away from direct sunlight and protected from frost. In short-term storage, shipment should be made with a first-in, first-out system. In long-term storage, pallets should not be placed on top of each other.

Safety Precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During the application, work clothes, protective gloves, glasses and masks in accordance with the occupational and worker health rules should be used. During storage and application, it should not be contacted with the skin and eyes, in case of contact, it should be washed with plenty of water and soap, and if swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children. For detailed information, the Material Safety Data Sheet should be consulted.

Disclaimer

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