

# Repair Plus CB 435 Coarse

Construction Chemicals > Repair Mortars > Cement-Based

Repair Plus CB 435 is a single-component, polymer-modified, high-adhesion, coarse aggregate deep repair and correction mortar.

## ■ Fields of Application

- Deep repairs of all mortar and reinforced concrete surfaces
- Repair of exposed concrete
- All restoration works
- Surface repairs of concrete prefabricated elements up to 35 mm
- Surface corrections before ceramic and insulation works
- As plaster on horizontal and vertical surfaces up to 35 mm

## ■ Advantages

- Single-component
- Ready to use by mixing only with water
- Easy to apply
- Highly resistant to water and frost
- High adhesion
- Does not contain toxic substances and does not cause corrosive effects on the applied surface
- Complies with R3 class

## 1 Surface Preparation

The surface to be applied must be clean and free from loose volumes. The surface to be applied must have gained sufficient strength. The surface should be moistened before application. Should not be applied to frozen surfaces.

## 2 Mortar Preparation

Approximately 5-6 liters of water should be placed in a clean container. Slowly mix a 25 kg bag of Repair Plus CB 435 Coarse, preferably with a low-speed mixer, until there are no lumps. Let the prepared mortar rest for 5-10 minutes, then remix before use. The mixture should be consumed within 25-30 minutes.

## 3 Application

The prepared mortar is applied with a steel trowel or spatula. Application thickness can be between 5-35 mm in a single coat. Once the application begins to dry, it can be finished with a sponge. In high temperatures, the application surface should be moistened.

## 4 Packaging

25 kg PE-reinforced kraft bags..

## 5 Consumption

The consumption rate of the product is 1.7 kg/l (for 1 mm thickness).

## 6 Precautions

- Be precise with the amount of water mixed. Do not exceed the recommended amount
- Do not add any foreign substances (lime, cement, plaster, etc.) to the prepared mortar
- You can add 50 ml of latex AB 610 to enhance the product performance in a 25 kg bag of prepared mortar
- Mortar that has exceeded its working time should not be reused by mixing with water or dry mortar
- Application is recommended at temperatures between +5°C and +35°C
- Should not be applied to frozen surfaces
- Do not apply in direct sunlight

## 7 Shelf Life

At least 12 months when stored in a moisture-free and dry environment, protected from frost.



## TECHNICAL DATAS

Composition	Mineral fillers, polymer-reinforced additives, and cement
Appearance	Gray powder
Bulk Density of Powder	~1.70 kg/l
Bulk Density When Wet	~ 2,00 kg/l
Application Temperature	(+5°C) - (+35°C)
Pot Life	30 minutes
Flexural Strength	≥ 6 N/mm <sup>2</sup> (28 days)
Compressive Strength	≥ 25 N/mm <sup>2</sup> (28 days)
Adhesion Strength	≥ 1.5 N/mm <sup>2</sup> (28 days)
Application Thickness	5-35 mm
Soluble Chloride Content	≤ %0.05
Service Temperature	-20°C to +80°C
Working Time	30 minutes (+20°C)
Shelf Life	12 months in unopened packaging in a dry environment
Packaging	25 kg PE-reinforced kraft bag