

Repair Plus CB 435 Fiber Coarse

Construction Chemicals > Repair Mortars > Cement-Based



Repair Plus CB 435 Fiber Coarse is a single-component, polymer-modified, high-strength, fiber-reinforced deep repair and leveling mortar with excellent adhesion capability.

■ Fields of Application

- For deep repairs on all mortar and reinforced concrete surfaces where high strength is required
- Repairing exposed concrete
- Repair and maintenance of marine structures
- Surface repairs of concrete precast elements up to 40 mm
- Filling of core voids and tie holes

■ Advantages

- Fiber reinforcement prevents cracking and provides high strength
- Single-component; the mortar is ready by mixing with water only
- Easy to apply
- Highly resistant to water and frost
- Excellent adhesion
- Compliant with R4 Class

1 Surface Preparation

The surface to be applied must be cleaned and free of loose particles. The surface should have sufficient strength. It must be moistened before application. Do not apply to frozen surfaces.

2 Mortar Preparation

Pour approximately 4-5 liters of clean water into a container. Slowly mix a 25 kg bag of CB 435 Fiber with a low-speed mixer until there are no lumps. Let the prepared mortar rest for 5-10 minutes and then mix again before use. The mixture should be consumed within 25-30 minutes.

3 Application

The prepared mortar is applied with a steel trowel or spatula. The application thickness can be between 10-40 mm in a single layer. Sponging can be done from the start of drying. In hot weather, keep the application surface moist for 24 hours.

4 Packaging

25 kg PE-reinforced kraft bags.

5 Consumption

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

6 Precautions

- Be precise with the amount of water to be mixed. Do not exceed the recommended amount.
- Do not add any foreign materials (lime, cement, gypsum, etc.) to the prepared mortar.
- You can enhance product performance by adding 50 ml of latex Ab 610 to the mortar prepared with a 25 kg bag.
- Expired mortar should not be reused by mixing with water or dry mortar.
- It is recommended to apply at a temperature between +5°C and +35°C.
- Do not apply to frozen surfaces.
- Do not apply in direct sunlight.

7 Shelf Life

At least 12 months when protected from humidity and frost in a dry environment.



TECHNICAL DATAS

Material Composition	Mineral fillers, polymer-reinforced additives, fibers, and cement
Appearance	Gray-colored powder
Bulk Density of Powder	~1.70 kg/l
Bulk Density When Wet	~2,10 kg/l
Application Temperature	(+5°C) - (+35°C)
Pot Life	30 minutes
Flexural Strength	≥ 7 N/mm ² (28 days)
Compressive Strength	≥ 45 N/mm ² (28 days)
Adhesion Strength	≥ 2 Mpa/mm ² (28 days)
Application Thickness	10-40 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