

# Grout Fluidmax CB 484

Yapı Kimyasalları > Grout Harçları > Çimento Esaslılar



Grout Fluidmax CB 484 is a single-component, fluid-form, non-shrink grouting mortar that eliminates shrinkage through internal expansion, provides high initial and final strengths, is non-thixotropic, and is a ready-to-use, cement-based non-shrink grouting mortar.

## ■ Fields of Application

- Anchoring of machinery foundations
- Mounting of machine tracks
- Securing of anchor rods
- Filling of voids and cavities
- Fixing of foundation plates or supports
- Filling gaps in prefabricated element installations
- Bedding of load-bearing elements
- All applications requiring repair with fluid mortar
- Repairing cracks and worn concrete surfaces where trowel application is not feasible, using fluid mortar

## ■ Advantages

- The mortar is prepared by mixing only with water
- Despite the low water/cement ratio, it provides a fluid consistency
- It offers high final strengths and rapid strength gain
- Its adjustable swelling ability prevents cracking and shrinkage
- It provides excellent adhesion to steel and concrete
- It is resistant to impacts and vibrations
- It can be easily applied in both indoor and outdoor environments

## 1 Preparation of Substrate

The surface to be applied must be free of oil, dirt, rust, and all loose materials; if necessary, the surfaces should be cleaned with a water jet. The surface must have sufficient strength before application. Cleaned surfaces must be moistened, and direct sunlight should be avoided during application. Formwork should be done in areas where leaks might occur. The formwork should be done carefully, and vibration should not be applied during the formwork process. It should not be applied to frozen surfaces.

## 2 Preparation of Mortar

Approximately 5 liters of water is placed in a clean container. Preferably using a low-speed drill, half of a 25 kg bag is slowly added. After mixing for a while, the remaining half of the bag is added, and mixing continues until lumps disappear and the mixture becomes homogeneous. The amount of water can be adjusted based on the ambient temperature and humidity. In very hot weather, a slight increase in water may be necessary, but it should be noted that increasing the water will reduce the strength. The application can begin after allowing the mortar to rest for 5 minutes.

## 3 Application

Once the mixture is ready, it should be applied immediately. To take advantage of the product's maximum expansion properties, the mortar should be used within 15-20 minutes. The mortar can be applied in layers ranging from 10 to 40 mm thickness, up to a total of 80 mm. The placement process should be done by pouring from one corner, not by vibration. Air bubbles should not be allowed to remain in the product. Curing should begin immediately after the setting is complete.

## 4 Consumption Amount

The product consumption is 2.00 kg/l.

## 5 Points to Consider

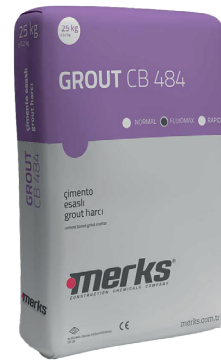
- The amount of water to be mixed must be handled with great precision.
- No foreign materials (lime, cement, gypsum, etc.) should be added to the prepared mortar.
- Mortar that has exceeded its working time should not be reused by mixing with water or dry mortar.
- Application is recommended at temperatures between +5°C and +35°C.
- It should not be applied to frozen surfaces. Do not apply under direct sunlight.

## 6 Packaging

In 25 kg PE-reinforced kraft bags.

## 7 Storage Life

At least 12 months when stored in a closed package and protected from frost.



## TECHNICAL DATAS

<b>Structure of the Material</b>	Mineral fillings, polymer reinforced additives and cement.
<b>Appearance</b>	Grey colored powder
<b>Powder Unit Volume Weight</b>	~ 1,50 kg/l
<b>Wet Unit Weight</b>	~ 2,35 kg/l
<b>Application Temperature</b>	(+5°C) - (+35°C)
<b>Pot Life</b>	45 min
<b>Application Thickness</b>	10-40 mm ~ 80mm
<b>Compressive Strength</b>	> 20 N/mm <sup>2</sup> (1st day) > 45 N/mm <sup>2</sup> (7th day) > 75N/mm <sup>2</sup> (28th day)
<b>Capillary Water Absorption</b>	≤ 0,1 kg/m <sup>2</sup> h <sup>0,5</sup>
<b>Shelf Life</b>	12 months in unopened packaging and stored in a dry environment.
<b>Packaging</b>	25 kg PE-reinforced kraft bag