

# GROUT

## NORMAL SETTING GROUT MORTAR



### DESCRIPTION

- Cement-based, high adherence and strength, fluid, non-shrinking and waterproof normal setting grout mortar.

### INTENDED USES

- Interior and exterior surfaces,
- In the assembly of prefabricated concrete building elements,
- Fixing of all kinds of industrial machines,
- Used in filling concrete cracks and cavities.

### PROPERTIES

- Fluid feature, easy to apply.
- Has high compressive strength.
- Adheres perfectly to concrete and iron.
- Can be used everywhere as it does not shrink.
- Has waterproof feature.
- Resistant to carbonation. It increases the life of the building by protecting it from corrosion and the carbon dioxide gas in the atmosphere.
- Resistant to freeze-thaw cycle.

### SURFACE TREATMENT

- The surface must be clean, dry, smooth and solid.
- The surface must be free of residues such as oil, dirt, paint that will prevent adhesion.
- Care must be taken to ensure that the moulds on which **GROUT** will be applied are solid and without gaps.

### APPLICATION

- Slowly pour 25 kg of **GROUT** into 3.5-4.0 litres of water and mix with a low-speed mixer (max. 500 rpm) until a homogeneous mixture is obtained. Mixing water should be 20°C-25°C.
- Any additives not specified in the application instructions should not be added.
- It dries in 10-20 minutes depending on the ambient conditions.
- Water should not be added to the mortar that is hardening.
- The prepared mortar should be poured into moulds without waiting.
- During the application, there should not be any air bubbles in the product, otherwise air bubbles will prevent the surface contact, thus reducing the adhesion force.
- The prepared mortar must be consumed within 20-25 minutes.

### TECHNICAL DATA

Appearance	: Grey powder
Application temperature	: (+5°C) - (+30°C)
Temperature resistance	: (-30°C) - (+80°C)
Application thickness	: 10-40 mm
Initial dry	: 10-20 minutes
Time required for foot traffic	: 24 hours
Full curing time	: 28 days
Standard class	: R3
Cavity unit volume mass	: 2200±110 kg/m <sup>3</sup>
Grain size	: ≤3 mm
Compressive strength	: ≥25 N/mm <sup>2</sup>
Flexural strength	: ≥7 N/mm <sup>2</sup>
Capillary water absorption resistance (EN 13057)	: ≤0.5 kg/m <sup>2</sup> .h <sup>0.5</sup>
Bond strength formed by adhesion	: ≥1.5 N/mm <sup>2</sup>

- These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- **MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ** is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

### WARNINGS AND RECOMMENDATIONS

- The application surface should be moisturised.
- It is not suitable to apply on surfaces exposed to direct sunlight.
- Application moulds should be chosen from materials that will not absorb the water of **GROUT**'s.
- Since it dries between 10-20 minutes, it should be prepared based on this time.
- Do not breathe the powder or contact with skin or eyes as it is cement-based.
- After application, hands and applications tools should be thoroughly washed with water.
- Application thickness should be minimum 10 mm and maximum 40 mm.
- During the application, the ground should be protected from wind and direct sunlight.
- In order to prevent premature drying after the application, the surface is cured with **CURE Curing material**.
- At high temperatures, the workability time is shortened, and it is extended at low temperatures.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.

### CONSUMPTION

- 1.9 kg/m<sup>2</sup> (for 1 mm thickness)

Yıldız Yapı Kimyasalları San. ve Tic. Ltd. Şti.

KOCAELİ KOBİ Organize Sanayi Bölgesi 18. Cadde No: 22 Köşeler - Dilovası / KOCAELİ / TURKEY

+90 (216) 469 66 33 +90 (262) 728 11 10 | www.myfixyapikim.com | @fmyfixyapikimyasallari

# GROUT

## NORMAL SETTING GROUT MORTAR



### PACKAGING

- 25 kg Kraft bag (Pallet 64 bag, 1600 kg)

### SHELF LIFE


- Shelf life of an unopened package stored in a dry, cool place is 6 months from the date of manufacture.

### COMPLEMENTARY PRODUCT(s)

- CURE Curing material

### QUALITY CERTIFICATES

- Resistance to carbonation (EN 1504-3) - Turkish Ready Mixed Concrete Association - Test report-2019

 <b>2163</b> YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ. İstanbul Mermerciler Küçük San. Sit. 18. Cad. No: 22 Köşeler Köyü - Dilovası / KOCAELİ <b>18</b> <b>DoP number: 04.PB 1504-3.001</b>	
<b>2163-CPR-0561</b> <b>TS EN 1504-3</b> <b>GROUT / NORMAL SETTING GROUT MORTAR</b> <b>R3 CLASS</b> Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 3: Structural and non-structural repair Principle 3: Renewal of concrete, Method 3.2 Re-casting of concrete Principle 4: Structural reinforcement, Method 4.4 Mortar or concrete addition Principle 7: Corrosion prevention or correction, Method 7.2 Decayed concrete's renewal	
Compressive strength	: ≥25 MPa
Chloride ion content	: ≤0.05%
Bond formed by adhesion	: ≥1.5 MPa
Limited shrinkage / expansion	: ≥1.5 MPa
Elasticity module	: ≥15 GPa
Resistance to carbonation	: Acceptable.
Fire reaction class	: A1

Yıldız Yapı Kimyasalları San. ve Tic. Ltd. Şti.

KOCAELİ KOBİ Organize Sanayi Bölgesi 18. Cadde No: 22 Köşeler - Dilovası / KOCAELİ / TURKEY

+90 (216) 469 66 33 +90 (262) 728 11 10 | www.myfixyapikim.com |  myfixyapikimyasallari