

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.

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/m³
Grain size	: ≤3 mm
Compressive strength	: ≥25 N/mm²
Flexural strength	: ≥7 N/mm²
Capillary water absorption resistance (EN 13057)	: ≤0.5 kg/m².h <sup>0.5</sup>
Bond strength formed by adhesion	: ≥1.5 N/mm²

- 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.

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.

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/m² (for 1 mm thickness)

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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

<div>CE</div> <div>2163</div> <div>YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ. İstanbul Mermerciler Küçük San. Sit. 18. Cad. No: 22 Köşeler Köyü - Dilovası / KOCAELİ</div> <div>18</div> <div>DoP number: 04.PB 1504-3.001</div>	
<div>2163-CPR-0561</div> <div>070645-TSE-08/01</div> <div>TS EN 1504-3 :2008</div> <div>GROUT / NORMAL SETTING GROUT MORTAR</div> <div>R3 CLASS</div>	
<div>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</div> <div>Principle 3: Renewal of concrete, Method 3.2 Re-casting of concrete</div> <div>Principle 4: Structural reinforcement, Method 4.4 Mortar or concrete addition</div> <div>Principle 7: Corrosion prevention or correction, Method 7.2 Decayed concrete's renewal</div>	
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