

QIS GROUT FAST

GROUT AND REPAIR MORTAR WITH A LIQUID CONSISTENCY,
WHICH CAN BE OPENED FOR TRAFFIC WITHIN 2 HOURS



DESCRIPTION

QIS GROUT FAST is a ready-to-use, cement-based, impermeable, non-shrink, especially high early strength, polymer modified, fast curing fluid repair and grout mortar for 1-4 cm applications.

USAGE AREAS

- Around the loophole and manhole covers,
- In light and heavy machine foundation fillings, bearing, 'grouting' and assembly works,
- In generators, diesel engines, gas and steam turbines, etc.
- In the manufacture of curtains and column headboards,
- In the assembly of prefabricated concrete building elements.

CHARACTERISTICS

- It is resistant to chemicals such as soil, chlorine, sulfate.
- It does not shrink. (non-shrink).
- It is resistant to freezing and thawing.
- It has high adhesion strength to concrete and steel reinforcement.
- It is resistant to impact and vibration.
- It does not shrink.
- It is resistant to freeze-thaw cycle.

APPLICATION METHOD

Preparation of the Machine and Foundation

- All loose parts in the concrete to be placed on the machine should be cleaned and the surface should be made slightly rough.
- The bolt and base plate must be completely free of substances such as oil and dust.
- The air release holes for the base plate must be drilled in advance.
- The machine position should not be changed at all after the machine is placed and the scale is adjusted.
- If the adjustment blocks are to be removed later, they must be lightly lubricated.
- Before pouring the mortar, the foundation concrete should be saturated with water and free water should be taken before application.

Mixing

- 12-14% water is put into the stirrer first. (3.00 – 3.50 lt / 25 kg powder material)
- QIS GROUT FAST is added to the water quickly and continuously.
- After the bag is empty, it is mixed for 4-5 minutes until a homogeneous and lump-free mortar is obtained.

Application

- QIS GROUT FAST mortar is fluid and hardens quickly.
- Therefore, it is applied by pouring or pumping immediately after mixing with water. (within 5-8 minutes)

- The mortar should be poured continuously and from one side.
- It can be applied 1-4 cm on one layer.
- Mold should not be taken before 15 minutes.

Issues to be Considered in Practice

- In high-temperature environments; store the bag in the shade, use cold mix water, it should not be applied quickly and continuously in the morning and evening hours.
- In low-temperature environments; warm mixing water should be used, the thermal temperature of the machine should not be lower than 0°C. It should never be applied at a temperature lower than 0°C.
- Excessively windy, sun-exposed surfaces should be kept moist for 24-48 hours.
- The product should be protected from rain for at least 24 hours after application.

CONSUMPTION

19.5 kg / m² / cm (1950 kg / m³)

PACKAGING AND STORAGE

25 kg Kraft Bag

In its original packaging, when stored in ventilated, dry and protected environments at +5°C/+25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TECHNICAL DATA

Material structure	Cement-based powder
Color	Gray
Mixture density	1950 kg/m ³
Water mixture ratio	12-14%
Workability time	30-45 minutes (20°C)
Capillary water absorption	0.5 kg / (m ² .hours ^{0.5})
Application temperature	+5°C / +30°C
Service temperature	-30°C / +90°C
Application thickness	1-4 cm
Compressive Strength	≥ 60 N/mm ² (28 days)
Bending Strength	≥ 9 N/mm ² (28 days)
Breaking strength	≥ 2 N/mm ²

The above values are given at +20°C and for 50% relative humidity.

High temperatures shorten the time, low temperatures prolong the time.