

BTH-603 / RAPID GROUT MORTAR**PRODUCT DESCRIPTION**

Cement-based, self-compacting, high-strength grout mortar that expands without shrinkage. It is a ready-to-use grouting mortar, in which only water is added in powder form, does not decompose in a fluid consistency, and shrinkage tendencies are prevented.

AREAS OF APPLICATION

It is used in steel constructions, columns in prefabricated buildings, cracks, gaps and cavities, in the connection of concrete sheathing curtain and column to beam, in the repair of floor concretes.

FEATURES

Cement-based, high-adhesive casting mortar. It is impermeable and durable. It does not shrink.

TECHNICAL SPECIFICATIONS:

(23 ± 2°C and 50±5% relative humidity)

APPLICATION INFORMATION:

Appearance: Gray powder

Unit Weight: 2.2-2.3 Kg/lit

Mixing Ratio: 3-5 lt water / 25 kg powder

Application temperature: (5°C)-(30°C)

Temperature resistance: (-30°C)-(60°C)

Mortar Type: Polymer modified hydraulic mortar and concrete (PCC)

Repair Principle: 3 (Renewal of concrete)

Repair Method : 3:1 (Manual Mortar Application)3:2 (Reconcrete Casting)

Compressive strength (EN 12190): 25 MPa (28 days later)

Bond Formed by Adhesion: ≥ 0.8 mpa

Chloride Ion Content: ≤ 0.05%

REFERENCE STANDARDS

Approvals/Standards

EN 1504-3

SURFACE PREPARATION:

On foundations: Loose, damaged areas and particles in the concrete should be removed before the machine is placed, the areas where grout will be removed should be removed by chisel Foreign materials such as oil, grease and dust should be cleaned from the surface of the bolt and base plate. The machine should be placed and its position and scale adjusted, after which its position should never be changed. If the adjustment wedges are to be removed later; they must be lubricated so that the syrup does not stick. At least 6 hours before pouring the grout, the application surface should be saturated with water. Preparation of the Molds: The molds should be made of solid material that will not absorb and leak free water; and should be mounted to withstand the forces encountered during the process. A 15 cm casting gap should be left between the edge of the base plate and the mold on the side where the grout will be poured. In other parts 5 cm gap is enough. In order to give the pressure that will allow the slurry to spread, the mold height should be reduced on the casting side, depending on the situation.

APPLICATION INSTRUCTIONS:

It is prepared by adding 25 kg of BTH-603 Rapid Grout Mortar to 3-5 liters of water and mixing in a hand drill or mixing machine with a mixing apparatus. The powder should be added to the water quickly and continuously. After adding sufficient amount of powder, mixing is continued for 2-3 more minutes. In the mixing process, care is taken to ensure that the mixture is homogeneous and that there is no lumping.

APPLICATION METHODS:

Pouring grout should be continuous, vibrator should not be used. It is sufficient to pour from only one side to prevent air fronts. Casting should not be done from two opposite sides. It should be ensured that the grout completely fills between the base plate and the foundation. The exposed surfaces should be protected for 24 hours. After casting, it must be cured for 7 days for expansion.

PACKAGING:

25 kg Kraft bag SHELF LIFE: 12 months in its unopened package in a dry environment.

STORAGE:

Products should be stacked in a cool and dry environment, on the condition that they put maximum 10 bags on top of each other. It should be protected from direct sunlight and water.

THINGS TO BE CONSIDERED:

Any additives that are not specified in the application instructions should not be added. All tools used after the application should be washed with water before drying. DISPOSAL: Empty packaging may be disposed of in collection bins according to local local regulations or recycling rules. Dispose of the used waste material as construction waste after drying and hardening. It is dangerous to destroy product residues by burning.

SAFETY INFORMATION

It is recommended to use gloves and goggles while working. If the skin comes into contact with the material, it should be washed immediately with soapy water. In case of contact with eyes, seek medical advice immediately. For more detailed information, see the material safety data sheet.

CERTIFICATE OF CONFORMITY