

**BTH-604 / THIN REPAIR MORTAR****PRODUCT DESCRIPTION**

Cement-based, polymer-added, non-structural concrete repair mortar.

**AREAS OF USAGE**

In structural restoration works, providing a smooth surface before painting, ceramic coating, insulation. Filling fine cracks on surfaces such as exposed concrete, prefabricated concrete, gas concrete, briquette, brick. In repairing spilled, broken, carved, ruptured surfaces up to 5-30 mm and in plaster repairs. Structural repair of all kinds of reinforced concrete buildings, columns, beams and floors. It is used in unreinforced concrete repair.

**FEATURES**

It has high adhesion strength and mechanical strength. It creates a solid surface. It is resistant to freeze-thaw cycle. It can be applied up to a thickness of 5-30 mm. It is not corrosive and harmful. It is resistant to frost and corrosive salts.

**TECHNICAL SPECIFICATIONS:**

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

**APPLICATION INFORMATION:**

Appearance:	Gray 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) Mixing
Ratio:	5-5.5 lt water / 25 kg powder
Pot Life:	Min. 25 min.
Application Thickness:	Max. 30 mm (Single coat)
Consumption (average):	1.48 kg/m <sup>2</sup> (for 1mm thickness) Commissioning
Time:	6 hours Compressive strength (EN 12808-3): 10.0 N/mm <sup>2</sup> ; (After 28 days)
Adhesive Bond:	≥ 0.8 mpa
Chloride Ion Content:	≤ 0.05%
Hazardous Substances:	Suitable
Reaction to Fire (EN 13501-1):	A1

**REFERENCE STANDARDS**

Approvals/Standards EN 1504-3 R1

**SURFACE PREPARATION:**

Surface It should be cured and sound. The surface must be completely cleared of residues such as oil, dirt, paint that will prevent adhesion. Before the application, the surface should be moistened or primed with Bestkim Adherence Increasing Primer for better results.

**APPLICATION INSTRUCTIONS**

It is prepared by adding 25 kg BTH-604 thin Repair Mortar to 5.0-5.5 liters of water and mixing it in a plaster mixing machine. The prepared mortar is applied to the surface with the help of a steel trowel. Application Thickness should be between 3 mm and 7 mm in one coat. When hard enough The plaster surface is crinkled and the surface is finished with a damp sponge. The specified times are valid at 20°C surface and ambient temperature, the time is extended at low temperatures and shortened at high temperatures.

**CONSUMPTION:**

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

**PACKAGING:**

25 kg Kraft bag

**SHELF LIFE:**

12 months in its unopened package in a dry environment.

**STORAGE:**

The products should be stacked in a cool and dry environment, on the condition that maximum 10 bags are placed on top of each other.

**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. Depending on the ambient conditions, the surfaces should be watered at regular intervals within 7 days after the application.

**DISPOSAL:**

Empty packaging can be disposed of in collection boxes 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:**

During operation it is recommended to use gloves and goggles. 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**