



TEKAMAL RAPID

Fast-setting mortar

PRODUCT DESCRIPTION AND USES

Hydroblocker Rapid is an aluminate cement-based, quick-setting hydraulic mortar. It sets in a few minutes, depending upon the temperatures of the mixing water, mortar, ambient and the surface onto which it is applied. Low temperature will retard the setting, whereas high temperature will accelerate it.

Stops water running or seeping through cracks and holes in concrete or masonry works of basements, wells, mines, coffer-dams, sewers, tanks; seals cracks at the junction of floor and wall; seals construction faults and holes in concrete; grouts and seals around pipes, anchor bolts etc. It is used whenever a rapid strength development is necessary, especially in the winter period.

APPLICATION

• SURFACE PREPARATION

The areas to be repaired must be free from all unsound material i.e. dust, oil, grease, corrosion by-products, organic growth. All loose materials must be removed with wire brush, hammer, needle gun, sandblasting etc. Well cleaned substrate should be thoroughly soaked with water, but without any standing water.

• MIXING

Add water to the dry **Hydroblocker Rapid** during intensive, fast mixing until proper workability is reached:

0,20- 0,25 l of water on 1 kg of dry mortar mix:

- for plugging water leaks: ca. 0,20 l / 1 kg of dry mix
- for anchoring and repair works: ca. 0,25 l / 1 kg of dry mix

Mix only as much material as you can use in approx. 3 minutes.

Important:

Hydroblocker Rapid sets about 1 - 3 minutes on 20°C. In cold weather conditions, use warm mixing water, in warm weather conditions use cold or even ice-cold water to delay setting. Quantity of mixing water and air temperature may influence the setting time and gain of early strength.

Do not remix **Hydroblocker Rapid** when setting begins – in this case, it will never get hard.

• PLACING

Repair works, anchoring, fixing:

Fresh mortar is applied with a conventional masonry tool or by hand (wear protective gloves), it should be immediately placed and pressed against the substrate.

Sealing of water leaks:

To stop small streams of running water through walls, a crack should be cut out to a minimum depth and width of 2 cm; if possible undercut. Start at the top and press **Hydroblocker Rapid** into the crack. At points of greater pressure, do not place **Hydroblocker Rapid** into the opening immediately. Hold in hand or on trowel until slight warming or drying occurs. Then press **Hydroblocker Rapid** firmly into the opening. Do not remove hand or trowel too soon, wait until mortar is hardened. After stopping active water, cut off the patch even with the surrounding wall surfaces.



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- **CURING**

Keep damp for at least 15 - 30 minutes.

- **CLEANING THE TOOLS**

Clean with water immediately after use!

COVERAGE

- 1,7 kg/m²/mm or. 1,7 kg for approx. 1 l of ready-mixed mortar

PACKING

- 25 kg sacks, bucket 5 kg, pot 1 kg.

STORAGE

- Store the product in dry and well-ventilated places, protected from damage and humidity.
 - In tightly closed and undamaged packaging, the shelf life of the product is min. 12 months from the production date.
 - The product may still be used after the date of expiry, but the characteristics important for the intended use have to be examined.
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SAFETY PRECAUTIONS

Because it contains cement, Hydroblocker Rapid irritates the skin and eyes and may cause allergic reactions if it comes into contact with skin. When handling the product, protective gloves and goggles should be used. Do not breathe in dry powder. Use a protection mask when handling dry powder.

NOTE

Instructions are given on the basis of examinations and technical experience of the firm. Due to specific conditions and work methods, preliminary tests are advised for every type of use. Since we cannot influence the course of work, we cannot be held responsible for its quality.

Technical Data (06/17)