

Waterproofing Systems / Cement Based

AQUASTOP®

Rapid Setting Powder Plugging Mortar

DESCRIPTION

Polymer-reinforced powder waterproofing material with special type cement and chemical additives. It **hardens within 3 - 4 minutes** when it reacts with water and used in the waterproofing and reparation of **active water leaks**. It provides high adherence.

APPLICATION AREAS

- Indoor and outdoor,
- All kinds of mineral based surfaces,
- Waterproofing of active water leakages,
- Plugging of existing water leakages prior to waterproofing,
- Repair of static cracks,
- Groundworks,
- Plugging tie rod gaps inside molds,
- Waterproofing of basements from inside,
- Chamfering corners to stop water.

TECHNICAL PROPERTIES

Appearance	Grey colored fine powder
Powder Density	~ 1.15 kg/L
Water Mixing Ratio	1.20 – 1.45 L water / 5 kg powder
Setting Time	Appr. 3 – 4 minutes
Application Temperature	Between +5°C and +35°C
Compressive Strength	30 minutes ≥ 6 N/mm ² (TS EN 12190) 24 hours ≥ 10 N/mm ² (TS EN 12190) 28 days ≥ 30 N/mm ² (TS EN 12190)
Service Temperature	Between -20°C and +70°C

ADVANTAGES

- Hardens quickly and provides water impermeability. Does not crack.
- Cement based materials can be applied on it 15 – 20 minutes later.
- Does not shrink, does not leak water.
- Forms a mortar that sets quickly and plugs water leaks easily.
- Stops water flow very quickly.
- Easy to use, non-toxic.
- Does not contain chlorine, does not corrode steel reinforcement.

CONSUMPTION

Appr. 2 kg for 1 L of volume

PACKAGING

5 kg plastic buckets

APPLICATION

PREPARATION OF THE SURFACE

- The surface must be clear of materials that prevent adhesion such as dust, oil, tar, paint, silicone, curing material, detergent and mold oils.
- Expand the existing cracks and holes to a depth of 20 mm. Cut the corners with straight edges.

PREPARATION OF THE MORTAR

Mix the amount of AQUASTOP you can consume within 3 – 4 minutes with water in a clean bucket. The water ratio should be between 24% and 29% of the weight of AQUASTOP. Do not mix for more than 30 seconds. The mixture should be in a consistency that can be kneaded without falling apart. Pay attention to the temperature of the water, use warm or hot water in cold weather.

APPLICATION

- The mortar starts to heat up. After it is sufficiently hot, turn the mortar into a conical shape with your hand and plug the hole in one motion and press it for about 2 minutes by applying force with your hand.
- Remove your hand after AQUASTOP has completely hardened.
- To repair holes that are too large to be closed in one go, repeat this procedure several times, moving from the outside towards the center of the hole.

CAUTION

- **Protective gloves must be worn.**
- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours, or in areas open to direct sun and wind.
- Do not add powder and water to the expired mortar.
- Since AQUASTOP sets very quickly, prepare as much mixture as you can consume in about 3 – 4 minutes.
- AQUASTOP is not flexible. If it is used in the repair and clogging of dynamic (moving) cracks, cracks may occur later.
- Clean the application equipment with water immediately after the application. After the application, keep the applied product moist for about 15 minutes. On dry surfaces, this time should be approximately 30 minutes.

SHELF LIFE

Expires in 6 months. Store unopened packages in a dry environment.

HEALTH AND CAUTION

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, wash with plenty of water. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Construction Chemicals Ltd. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.