



Aqua Blocco

Product Description

A unique polymer enhanced fast setting cement based mortar to plug running leaks and stop seeping water through cracks, holes and joints in concrete and masonry structures.

Product uses:

- Water Storage Tanks
- Basements
- Building Foundations
- Fish ponds, water features, pools
- Cellars

Properties

- Stops water flow.
- Sets in approx. 30 seconds after mixing and applying to running water.
- Permanent repair to problem leaks.
- Can be applied in submerged conditions.
- Abrasive resistant.
- Can be mixed with water or used as a dry powder.

TECHNICAL PROPERTIES

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| <i>Appearance/Color</i> | Matt / Gray |
| <i>Consistency:</i> | Contains Mineral Filler and Special Cement |
| <i>Compressive Strength:</i> | ≥ 25 N/mm ² (28 days) |
| <i>Adhesion Strength:</i> | : ≥0,5 N/mm ² (28 days) |
| <i>Bond strength:</i> | ≥ 0,8 N/mm ² |
| <i>Fire reaction category:</i> | A1 |
| <i>Application temperature:</i> | +5 °C to +30 °C |
| <i>Application Time:</i> | 1-1,5 min (20 °C) |
| <i>Complete Drying:</i> | 2-3 min (20 °C) |

Surface Preparation

- Best results achieved by exposing and cutting cracks, joints or holes to a minimum width and depth of 20mm. If leaks are high volume, the depth can be increased to >40mm.
- Where possible, cut sides as square as possible or form a dovetail section if practical.
- Surface should be left rough with a good mechanical key. Do not form a smooth surface or a feather edge finish.
- Flush the area down with water removing all loose surface particles and foreign matter to maximize adhesion of the product.
- The surface to be treated must be dampened with clean water immediately prior to the application of the product.



Mixing

As the application of the **Aqua Blocco** is designed to create an immediate seal against leaking water, preparing for the application is important to avoid loss of time. Before commencing ensure the following items are prepared:

- Remove the bag of Water Plug powder from the pail supplied, ensuring empty pail is clean ready for mixing in.
- Access to clean water is required. Water should be approx. 20 degrees Celsius. If conditions are cold, it is recommended to use warm water to enable correct strength development of the **Aqua Blocco**.
- A clean spatula or trowel to mix product.
- Rubber gloves.

Mixing should only be done by hand, do NOT mix with an electric stirrer or paddle

Best results achieved by mixing sufficient material that can be placed by hand in one application, approx 0.5kg

Apply **Aqua Blocco** powder into the empty pail supplied, and then add water. Mix quickly, forming a paste/putty mortar consistency.

As a mixing guide approx. 150ml of clean water should be mixed to 1kg of powder. This is a guide only, and depending on temperature and other ambient conditions this may vary by using a lesser or greater amount of water to form the correct working consistency.

Using a gloved hand, hold the mortar material until slight warmth is felt or signs of setting occur. Then press the Water Plug mortar into the opening, and apply firm full pressure by hand or trowel. The mortar will set within 30 seconds – 1 minute, slowly remove trowel or hand.

If the opening of the area being treated is large, work from the sides towards the center, following the above instructions until the total area is covered with the Water Plug.

Once the active leak has stopped, the **Aqua Blocco** patch can be sanded or grinded back to enable it to be level with the surrounding wall of floor surface area.

If sealing active leaks between wall/floor sections, cut out the crack/joint at a minimum 20mm wide, cutting back slightly into the wall. In this application, best results are achieved by filling the void prepared and forming a 45 degree fillet or cove with the **Aqua Blocco** mortar approx. 40mm wide.

- Final setting time is 2-4 minutes.
- Once the **Aqua Blocco** mortar has stiffened and has set, dampened with clean water by a mist or light sponge and keep damp for approx. 15 minutes.
- In cold conditions, low temperatures will result in a slower curing rate. Warm water will assist in avoiding a prolonged setting and curing time.
- In warmer conditions, higher temperatures of 30 degrees Celsius or higher will increase the curing rate. Using cold water will delay the setting time and may be considered.

PRECEDING COAT:

None



Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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