



Part of the HydraDry Tanking System

Technical Datasheet

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WaterStop Rapid Setting Plugging Compound



HydraDry WaterStop is a rapid setting, expanding, plugging and repair mortar. When mixed with clean water and applied correctly, it is designed to plug active water leaks and seepage in concrete and masonry.

HydraDry WaterStop is designed to expand as it sets to ensure a permanent watertight seal is achieved and in a cured form displays similar properties to concrete.

Properties

| Technical Data | |
|---------------------------------|------------------------|
| Colour | Grey |
| Pot Life | 30 - 60 seconds |
| Setting Time | < 90 seconds |
| Compressive Strength (24 hours) | > 10 N/mm ² |
| Compressive Strength (28 days) | > 40 N/mm ² |

TYPICAL USES

Stops active water leaks or seepage under pressure through holes, joints and cracks in any concrete or masonry based substrates, including basements, foundations, retaining walls, tunnels etc.

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ADVANTAGES

- > Instantly stops leaks in concrete and masonry
- > Provides a permanent, watertight seal
- > Fast setting and rapid curing
- > Suitable for use above and below ground
- > Suitable for internal and external use
- > Resists positive and negative water pressure

WaterStop Rapid Setting Plugging Compound

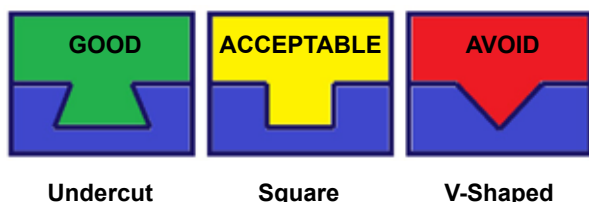
Substrate Preparation

Remove by suitable means, all loose pointing, any remaining render or plaster, wood, dust, grease, oil, organic growth or other foreign materials that may cause contamination or adversely affect adhesion properties.

Clean the hole, crack or joint thoroughly by wire brushing, chiseling or scraping loose materials until a clean, sound substrate remains.

Areas to be patched should be cut back and given a good mechanical key. Feather edges are not allowed.

To seal leaks and cracks, openings must be chased out to approximately 20 x 20 mm. The edges must be square or under cut, avoiding V-shaped cuts. All loose material generated while chasing out should be removed.



Mixing and Application

Due to the fast setting nature of HydraDry WaterStop, it is very important to organise the work space before mixing commences. Ensure the person undertaking the repair is situated close to the repair area and required equipment to carry out the repair is easily accessible.

Recommended water addition:

| Size | Pliable mortar |
|------|----------------|
| 1 kg | 200 - 220 ml |

When mixing HydraDry WaterStop, use ONLY CLEAN WATER and a clean mixing vessel.

For the best results the temperature of the mixing water should be between 15°C and 25°C. The warmer the water is the faster the mortar will begin to set.

Note: Mix only enough material for immediate use. HydraDry WaterStop sets in 60 - 90 seconds and cannot be reworked once it has set.

Wearing chemical resistant gloves, mixing is ideally done by hand.

1. Measure out required water and powder into SEPERATE containers.
2. Add the powder to the water and mix quickly and thoroughly.
3. Roll the mixture between your hands until a pliable, putty

like consistency is developed.

4. Once the materials start to warm-up, immediately apply the product to the prepared area.
5. Hold in place until water leakage/ seepage stops and the product has cured (approximately 30 seconds).

Application Conditions and Limitations

The product should not be applied in temperatures under 1°C and falling, or if temperatures are expected to fall below 1°C within 24 hours. Ensure the substrate temperature is not below 1°C before commencing application.

Setting times will vary based on the ambient temperatures and water temperature, with higher temperatures reducing setting times and lower temperatures extending the setting time.

The above information is based on the addition of water at 10°C and ambient temperatures of 20°C.

Curing

Final setting time is less than 2 minutes. Once the product has stiffened sufficiently, dampen with clean water and maintain a damp condition for approximately 15 minutes.

Pack Sizes and Coverage

| Pack Size | Code | Coverage |
|--|------|--|
| 5 kg bucket containing 2 x 2.5 kg bags | *** | Coverage is wide ranging dependent on application type |

Storage

Store in cool, dry conditions, off the ground. Protect from all sources of moisture and frost.

Shelf Life

6 months from date of manufacture when unopened, undamaged and stored correctly.

Health and Safety

For further information and advice, please contact the Wykamol Group Technical Department and consult the safety data sheet, which is available upon request or can be downloaded from our website.

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Manufacturer Information

This product is manufactured by:
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