

Solco Waterstop - Plugging & Repair Mortar

Description:

Solco Waterstop is formulated for the rapid patching and plugging of active water leaks and seepage in concrete and masonry. Solco Waterstop is designed to expand as it sets to ensure a permanent water tight seal is achieved and displays similar properties to concrete when cured.

Advantages:

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

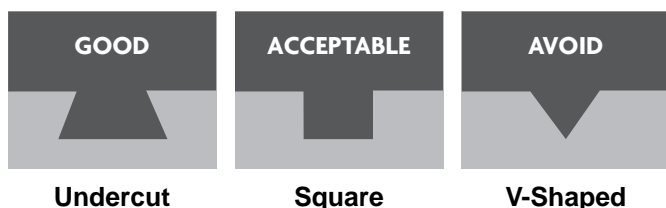
Substrate Preparation:

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.

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 suitable.

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.



Typical Uses:

Used to stop active water leaks or seepage under pressure through holes, joints and cracks in concrete or masonry walls, swimming pools, tunnels, fountains, cisterns, water channels, ponds, pipes, basements, foundations and retaining walls.

Pack Sizes & Coverage:

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

Mixing:

Due to the fast setting nature of Solco 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 the equipment required to carry out the repair is easily accessible.

Recommended Water Additions

Size	Pliable Mortar
1 Kg	250 - 270 ml
100 g	25 - 27 ml

Solco, Unit 51, Portmanmoor Road Industrial Estate, Ocean Park, Cardiff, CF24 5HB

Mixing Con'd:

When mixing Solco Waterstop, use ONLY CLEAN WATER and a clean mixing vessel. For the best results the temperature of the mixing water should be between 5°C and 10°C. The warmer the water is the faster the mortar will begin to set.

Note: Mix only enough material for immediate use. 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 separate 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:

No priming is required, but for dry repair applications make sure the surface is Surface Saturated Dry (SSD).

To stop surface leaks or seepage not under pressure:

1. Starting at the top of the hole or crack, work your way down. Trowel apply or hand press the mixed mortar firmly into place, ensuring maximum contact with the substrate before the material sets.
2. Remove any excess material to form a uniform surface.

to stop leaks under pressure or under water:

1. Starting at the top of the hole or crack, work your way down. Trowel apply or hand press the mixed mortar firmly into place, ensuring maximum contact with the substrate before the material sets.
2. Maintain constant pressure on the applied material until final set has been achieved.
3. Remove any excess material to form a uniform surface.

2

Conditions & Limitations:

It is not advised to use warm water for mixing. The information in this data sheet is based on the addition of water at 5-10°C and ambient temperatures of 20°C.

The product should not be applied in temperatures under 5°C and falling, or if temperatures are expected to fall below 5°C within 24 hours. Ensure the substrate temperature is not below 5°C before commencing application. Setting times will vary based on ambient temperatures and water temperature, with higher temperatures reducing setting times and lower temperatures extending them.

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.

Storage & Shelf Life:

Store in cool, dry conditions, off the ground between temperatures of 5 and 25°C. Protect from all sources of moisture and frost. Shelf life is 6 months from date of manufacture when unopened, undamaged and stored correctly.

Health & Safety:

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



Solco, Unit 51, Portmanmoor Road Industrial Estate, Ocean Park, Cardiff, CF24 5HB

Typical Illustrations:

