

Waterstop

Waterstop is a special rapid set mortar used for leak sealing. Based on natural cement, the mixed product typically sets in 4 minutes. It may be used to stop running water through walls, floors, around pipes and ducts, etc. Waterstop is easy to use only requiring the addition of mixing water on site, where even brackish water may be used. Waterstop is resistant to chloride penetration. Waterstop is potable water approved.

Uses

Waterstop is used for sealing against live water. Typical uses include plugging brick, masonry, and concrete. Joint sealing prior to grouting operations, basement leak sealing, repairing concrete pipes, and sewage systems.

Specification Outline

Plugging and sealing operations shall be carried out using Waterstop as supplied by Stabila UK Ltd.

The product must be stored, handled and used strictly in accordance with instructions given.

Application

All contact surfaces must be sound, clean and provide a good mechanical key. Remove all loose material, salt formations, plaster, paint and oily deposits. Cracks should be cut back to a minimum of 20mm depth and width preferably undercutting. Avoid feather edging.

Where placing or plugging is being carried out in wet conditions, no priming is

necessary. If concrete surfaces are dry, dampen with water before applying to assist adhesion.

Mix ratio is about 3 parts Waterstop to 1 part water. (5kg powder mixed with approximately 1.9 litres of water yields approximately 2 litres of mixed mortar.)

For active water sealing, the mix should be of a stiff consistency. Mixing should be carried out using a gloved hand. Do not mix more than can be placed within 2 minutes and do not remix once setting starts.

Apply the Waterstop firmly by trowel. When working against water pressure work towards the point of highest pressure and finish using a gloved hand forcing the material against the pressure until set. Cut off excess material within 3 minutes.

Use warm mixing water at temperatures from 0°C to 5°C.

Cured Product

The cured product can only be removed by mechanical means.

Package & Storage

Waterstop is packaged in 5kg pails.

Waterstop will have a shelf life of 12 months when kept in dry conditions at a temperature of 5°C to 45°C. Storage at higher temperatures and high humidity may reduce the shelf life.

Health & Safety

Waterstop is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full Health and Safety details are given in the Product Safety Data Sheet