

Strutop® Gard-PA

Rapid Setting Cement Based, Water- Stopping Mortar

Uses

For the rapid temporary patching and plugging of concrete segments, concrete & brick tunnel linings, sewage systems, below ground access chambers, pipes, basements, foundations and mines.

Advantages

- Emergency water-stopping capability
- Single component - only requires addition of clean water
- Excellent bond to the substrate
- Low exotherm minimizes thermal cracking
- Pre-bagged formulation to overcome variations in site batching
- Contains no chloride admixtures

Description

Strutop Gard-PA is supplied as a ready to use blend of dry powders which requires only the site addition of clean water to produce a highly consistent, rapid setting mortar which is easy to apply in many difficult conditions. The material is based on a blend of cements, graded aggregates, special fillers and chemical additives which control the rate of set and minimize the risk of thermal cracking. Strutop Gard-PA provides an initial set time of approximately one minute.

Properties

Appearance	Gray Cementitious Powder
Initial set time	Approx. 2 minute @ 20°C
Application temp.	Not less than 5°C

Instructions for use

Preparation:

Areas to be patched should be cut back to a depth of 15 mm and given a good mechanical key. Feather-edges must not be allowed. Surface should be brushed clean

to remove loose material, dust and laitance. Grease, slime or mould growth should be removed by steam cleaning or high-pressure water jetting.

A proprietary degreasing agent should be used for removal of light oil or grease contamination. To seal leaks, crack openings must be chased out to approximately 20 mm square. The chase should always be undercut to avoid leaving a v-section. All loose material and debris should be removed.

Mixing:

Strutop Gard-PA should be added to clean water in the following proportions:

One part clean water: 3 parts Strutop Gard-PA (measured by volume). Mix to a stiff consistency in a suitable mixing drum or bucket, using a trowel or gloved hand. Due to the rapid set characteristics of the product, only prepare a quantity of mortar which can be placed within the prescribed set time.

Application:

Trowel apply or hand-knead the mixed mortar in place, ensuring maximum contact with the substrate before the material sets. If being used to plug running water, Strutop Gard-PA should be used and held in place until the initial set is reached.

Note: The minimum applied thickness of Strutop Gard-PA should be 15 mm.

Cleaning:

Strutop Gard-PA products should be removed from tools, equipment and mixers with clean water prior to the initial set. Cured material can only be removed mechanically.

Limitations

Strutop Gard-PA should not be used when the temperature is below 1°C and falling.

Packaging

Strutop Gard-PA is available in 5 and 20 kg bags.

Storage

Strutop Gard-PA has a minimum shelf life of 12 months at 20°C if kept in a dry store in the original, unopened packs. The shelf life will be reduced at higher ambient temperatures.

Strutop Gard-PA

Precautions***Health and safety:***

Strutop Gard-PA is alkaline and should not come into contact with skin and eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust mask should be worn. If contact with skin occurs, wash with water. Splashes to eyes should be washed immediately with plenty of clean water and medical advice sought.

Fire:

Strutop Gard-PA is non-flammable.