

BENTONITE WATERSTOP

Swelling bentonite sealing strip.

Description

Bentonite waterstop is a sealing strip made of natural sodium bentonite and a special organic binder that gives the product a good plastic and elastic consistency. It is used for sealing horizontal or vertical underground cold joints in concrete structures, subjected both to hydrostatic and non hydrostatic conditions.

Technical features

Dimensions: 20x25 mm

Temperature resistance: - 30 °C to +80 °C

Composition: Natural sodium bentonite 76%
 Elastomeric binders 24%

Specific gravity: 1,50-1,80

Elongation under pressure: > 150 %

Stretch resistance under pressure: > 0,5 Mpa

Pressure generated during the expansion: > 1500 kPa

Expansion volume in free swelling: > 400 %

Instructions for use

1. The swelling strip is ready for use and requires only simple surface cleaning of loose particles (concrete bits, sand, gravel and other dirt) from the application area, requiring no additional surface smoothing.
2. The strip is simply placed in the centre of the cold joint and secured with nails in 25 cm intervals. If the surface on which the strip is to be placed is very rough, the adhesion process can be aided by simply pressing the strip down by hand or using a hammer to tap down on wooden rod laid over the strip.
3. When joining two subsequent strips, head by tail, allow a 5-6 cm of side contact between the two ends.
4. It has to be used only on concrete cold joints and in direct contact with fresh concrete, not on precast concrete.
5. It is recommended to position the strip on the joint in a way to have at least 8 cm of confinement on each side, all the spacers of the formwork must be positioned at a distance of 7 cm at least.
6. It is recommended to avoid any excess stagnating water near the joint until a minimum of 15 – 20 days hardening of the concrete.
7. If brackish water or highly saline water is present, it is recommended to perform some in situ tests before application, since it might affect the swelling properties of the strip.



Storage

Store in a cool and dry location, away from direct contact the sunlight and water. Use within 24 months from the production date.

Packaging

Carton box of 30 m, consisting of 6 rolls of 5 m each.

Precautions and safety

This product is not hazardous as defined in the Hazardous Substances Code. Can be disposed as building waste.

Notes

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Other information

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Qualitätsmanagementsystem

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