

WATERSTOP 1520



Swelling bentonite tape

Description

Swelling tape which consists of sodium bentonite, embedded in a matrix of non-vulcanized rubber as binding agent. In contact with water develops volume by swelling up to 340%. As a result it seals and waterproofs the joint gaps permanently.

Fields of application

WATERSTOP 1520 is used to underground constructions for sealing horizontal or vertical connection joints to concrete elements. Also it can be used for sealing conjunction joints (e.g pipes through concrete walls etc.).

Directions for use

WATERSTOP 1520 bentonite swelling tape profiles are always installed centrally in the joint within the reinforcement. In doing so, sufficient concrete cover must be ensured. The concrete cover should be at least 8 cm as otherwise the high swelling pressure of the bentonite may damage the concrete. Fasten using corresponding nails. The distance between nails should not exceed 20 cm in the longitudinal direction of the swelling tape.

Technical data

Chemical basis:	sodium bentonite
Color:	green
Dimensions:	15 mm x 20 mm
Surface:	smooth
Thermal application range:	approx. -30°C up to +90°C
Bulk density: (DIN EN ISO 1183-1)	1.52 g/cm ³
Pressure watertightness:	up to max. 2 bar (20 m water column)
Suitable for zones with frequently varying water levels:	yes
Volume increase:	up to 340%, in normal water (pH 7)

Packaging

Rolls of 5 m.

Shelf-life - Storage

5 years from production date, if stored in original, unopened packaging. The storage room has to be cool under (< 22 °C) and dry in a well ventilated place.

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