

Technical Datasheet

WATERSTOP 1520

Swellable bentonite tape

Description

Swellable tape consisting of sodium bentonite embedded in a matrix of non-vulcanized rubber as binding agent. In contact with water it 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 construction and connection joints in concrete elements, around pipe penetrations in walls, etc.

Directions for use

The substrate must be clean, dry, and free of loose particles. Place WATERSTOP 1520 bentonite swellable tape in the centre of the joint. The subsequent concrete covering should be at least 8 cm on all sides. Position the swellable tape correctly. Fasten using corresponding nails either by hand or mechanically using a bolt-firing tool. The distance between nails should not exceed 20 cm in the longitudinal direction of the swellable tape. Both straight and angle joints need to be butt jointed. The joint areas must be form-fit in order to avoid any discontinuity in the system.

Technical data

Chemical basis:	sodium bentonite
Color:	green
Dimensions:	15 mm x 20 mm
Bulk density: (DIN EN ISO 1183-1)	1.52 kg/l
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)
Temperature application range:	-30°C up to +90°C

Packaging

Rolls of 5 m.

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