

Technical Data Sheet

Cresco® BT expanding waterstop

Cresco® BT is a bentonite-based, reactive expanding waterstop which has a delayed and limited expansion effect.



Product

Description

Cresco® BT is a bentonite-based swelling tape that slowly builds up expansion pressure when exposed to water. Joints, cracks or small blowholes are filled by the expansion effect of the bentonite. The expansion effect is limited in order to avoid concrete spalling.

Use

Cresco® BT swelling tapes are used for the regular sealing of construction joints. A swelling pressure slowly builds up when the tape meets water, whereby the working joint is sealed. The **Cresco® BT** swelling tape has good dimensional stability.

Characteristics/ benefits

Due to the dosed and limited swelling, **Cresco® BT** can be used in many ways. Suitable application fields are according to the WU guideline of the DafStB e.g.:

- Slab to wall connection
- Pipe liners
- Sealing recesses
- Anywhere where new and old concrete meet
- as well as the usage in the water transition zone

The optimal fixing of **Cresco® BT** is achieved by bonding with the Cresco® fixing glue. Fixing with fastening nails at intervals of approx. 30 cm, is only possible in conjunction with a fixing mesh. The substrate must be clean and degreased. It is essential that voids beneath the sealing strip are avoided.

Test (copies on request)

Approval/ permission

Test certificate of the Technical University of Munich (abP-no.: P-51-07-0150), unlimited for load case 1 and use class A.

Product details

Design	<p>Dimensions: 20 mm x 25 mm (± 1 mm)</p> <p>Weight: 0.63 kg/m</p> <p>Density: 1.4 kg/dm³</p> <p>Material: high quality sodium bentonite and butyl rubber</p>
Packaging	<p>Cresco[®] BT is supplied in cartons of 4 rolls x 5 running meters/roll.</p>
Storage	<p>36 months after the manufacturing date still packed in the original unopened and undamaged carton. To be stored at a dry place with temperatures between +5°C and +25°C and protected from UV light.</p>
Physical characteristics	<p>Expansion potential: up to approx. 350 %</p> <p>Swelling behavior reversible</p> <p>Installation temperature: -15°C to + 55°C</p> <p>Operating temperature: -40°C to + 100°C</p> <p>Cresco[®] BT expanding waterstops are resistant to a variety of different chemicals. (see resistance table)</p> <p>Cresco[®] BT is physiologically safe and environmentally compatible.</p>

Disclaimer / Notes:

All technical data stated in this TDS are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. Recommendations with regard to product application given in the present technical data sheet for practical assistance of product users are based on our experience and our present scientific and practical body of knowledge. These recommendations, however, are given without engagement and do not establish a contractual relationship or subsidiary duties. These recommendations do not relieve users of their liability and of their own responsibility to test, whether our product is adequate for the intended purpose of application. Please refer to the latest edition of this Technical Data Sheet on our web presence www.maxfrank.com