



SAINT-GOBAIN

durajoint SW-B

Swellable Waterstop - Bentonite

**STANDARD BENTONITE
WATERSTOP TAPE FOR
IN-SITU CONCRETE**

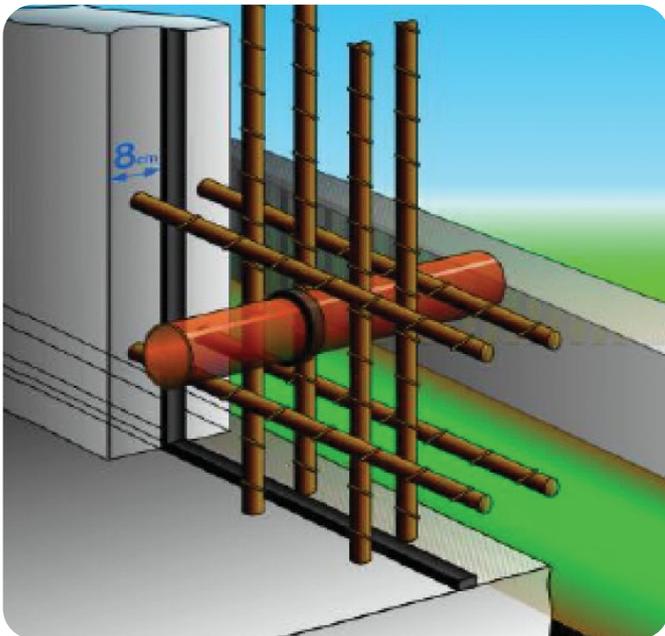
USES

durajoint SW-B is specifically for use of cold joint sealing of in-situ concrete construction.

Integral sealing for construction joints in cast in-situ concrete where conventional waterstops are impractical to use such as in restricted space or access situations. Service pipe penetrations.

ADVANTAGES

- Self-injecting behaviour during the swelling process
- Swelling into the direction of the lowest resistance
- Seals in two phases
 - First phase: sealing by immediate swelling
 - Second phase: sealing by crystallization
- High swelling capacity into the concrete honeycombs, cracks and joints to seal them (penetrates deep into the concrete structure and seals the cold joints permanent and securely)
- Ease of installation, nailing, bonding or casting into joint face.
- Swelling and shrinkage are infinitely reversible (unaffected by long term wet/dry cycling). High mineral portion, hence no fatigue of materials: Sodium-bentonite reacts even after decades of use
- Salt tolerant in concrete and ground water conditions
- Tested and approved up to 7 bar water pressure
- Tested for use in changing water tables



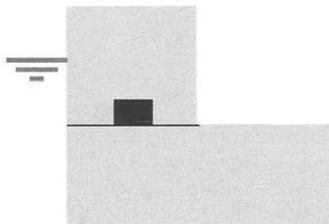
DESCRIPTION

The **durajoint SW-B** is based on well established technology and is an economical bentonite type swelling waterstop tape.

PHYSICAL PROPERTIES

Tape profile	Rectangular and flexible
Colour	Black/dark grey
Dimensions	10 mm x 20 mm
Coating	Talc treated
Weight	310 g/m
Volumetric Expansion rate	> 300%
Resistance to fire (EN ISO 13501-1)	Class E
Swelling pressure	0,50 N/mm ²
Tensile maximum strength (EN 527-2)	32,2 N
Stain at maximum tensile strength	0,08 MPa
Tensile elongation (Fm)	42.1%
E-module	2.3 MPa
Penetration hardness (Shore A) ISO 7619-1	25,6
Watertightness in end use condition	12 m water column / up to 3 bar

TYPICAL APPLICATION



Joint surface must be clean and dry and any protrusions greater than 3 mm high ground or chipped off.

durajoint SW-B may be fixed either with concrete nails at \pm 300 mm centres, or on a bead of **durajoint SW-B** adhesive applied 6 mm thick.

It is acceptable to butt joints at end of each roll, however a 45° angle cut at the overlaps is preferred and either as concrete nail or a small amount of **durajoint SW-B** adhesive may be used.

durajoint SW-B has to be installed in the middle of the construction joints. There should be a minimum of 80 mm of concrete covering all sides of **durajoint SW-B**. The distance between **durajoint SW-B** and the edge of the construction element must be:

- minimum of 8 cm in reinforced concrete construction or
- minimum of 10 cm in unreinforced concrete construction.

During installation and concreting **durajoint SW-B** must be fixed by fully bonding with an adhesive bonding, rail and nails, grid and nails (3 steel nails or impact dowels, nail plugs per meter are required (max. spacing: 35 cm). During concreting **durajoint SW-B** should not move and should not float.

LIMITATIONS

durajoint SW-B is to be used for in-situ concrete construction only. **durajoint SW-B** waterstop tapes shall completely covered on all sides by concrete (min. 8 cm concrete cover is required) to make sure that the swelling sealing pressure can be built up.

PACKAGING

Roll of 10 m (box of 5 rolls).

SHELF LIFE

5 years if stored protected from extreme weather conditions.

MODEL SPECIFICATION

Construction joints where indicated will be protected from ingress or egress of liquid with **durajoint SW-B** (dependent on thickness of concrete section) and will be fixed mechanically with a suitable concrete nail or glued using **durajoint SW-B** adhesive.

HEALTH & SAFETY

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The safety data sheet is available from your local **a.b.e.**® sales representative.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.**® endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot accept any liability for application – because **a.b.e.**® has no direct or continuous control over where and how **a.b.e.**® products are applied.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

a.b.e.® has a wealth of technical and practical experience built up over the years in the company's pursuit of excellence in building and construction technology.

Please consult our website for our latest datasheets.

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a.b.e.® is an ISO 9001:2015 registered company
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