



Part of the DBGroup

Surestop BWB

PRODUCT DATA SHEET

DESCRIPTION

Surestop BWB is a red hydrophilic strip made of sodium bentonite and butyl rubber with one side backed by a silicone-treated paper designed for the integral sealing of construction joints in cast-in place concrete.

ADVANTAGES

- **Surestop BWB** is a user-friendly system which is simple and quick to install
- Prevents premature swelling
- Proven track record in water treatment plants, water purification plants, underground parking lots, water reservoirs, swimming pools, water tanks, metro works and other concrete structures subject to high water pressure
- **Surestop BWB** can resist hydrostatic pressures of up to 70 metres of water column = 7 bar
- The durability and performance of the **Surestop BWB** shows no detrimental effect in performance during wet / dry cycling (25 cycles @ 70m)
- **Surestop BWB** will not dissolve in water and is non-polluting
- BBA certified



APPLICATIONS

Applications include both vertical and horizontal non-moving concrete construction joints, new to existing concrete construction, irregular surfaces and around through-wall penetrations; such as plumbing and utility pipes.

Surestop BWB is designed for use in reinforced structural concrete, utilising two rows of reinforcing steel, with a minimum thickness of 200mm, providing the **Surestop BWB** with no less than 75mm concrete cover to all sides.

INSTALLATION

A rebate, 25mm wide x 20mm deep shall be formed in the centre of the kicker wall, stop-end or day-work joint. Surfaces to either side of the rebate will have a retarder applied by brush, spray, or roller applied before the concrete sets. These surfaces will then be jet-washed and brushed clean of residue prior to the next pour of concrete. **Surestop BWB** should be pushed into the rebate firmly and glued using **Surestop Adhesive** or **Surestop SM** (PUDLO confirmation required for **Surestop SM** application). Note; **Surestop BWB** can also be fixed in place using **Surestop 25mm x 20mm Steel Cage** and pinned as necessary, using masonry nails at 300mm centres (no gaps between concrete and **Surestop BWB** must be allowed). **Surestop BWB** should not be submerged in water nor should it be installed on an iced substrate. Installation during heavy rain or in prolonged contact with water can result in premature swelling of the strip, which should be avoided. Plastic sheeting should be used to cover pre-installed **Surestop BWB** to prevent early activation, once covered **Surestop BWB** can tolerate exposure to light wet site conditions for up to three days prior to placing of concrete.

Surestop BWB can be installed around cast-in, through wall/slab penetrations, using a tie-wire to secure. If in doubt please ask the technical department.



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On irregular surfaces make sure **Surestop BWB** remains in direct contact with the substrate along the entire section e.g. old to new slab junctions. Where **Surestop BWB** needs to be fixed to irregular surfaces, a method statement will be prepared by **PUDLO** to ensure a tight seal is achieved.

LIMITATIONS

- **Surestop BWB** is not a self-adhesive product and is secured with a continuous bead of **Surestop Adhesive** or **Surestop SM** (PUDLO confirmation required for **Surestop SM** application).
- **Surestop BWB** is not designed, nor intended to function as an expansion joint sealant. **Surestop BWB** can be used in pre-cast concrete applications. Contact technical department for information and approval.
- **Surestop BWB** is designed for structural concrete and requires a minimum of 75mm of concrete cover to all sides and should only be used in applications where the product is completely encapsulated within the concrete.
- **Surestop BWB** roll ends should be butted up in accordance with BBA certificate.
- **Surestop BWB** should never be stretched to fit.

ANCILLARY PRODUCTS

- **Surestop Adhesive**
- **Surestop Voidformer**
- **Surestop SM**
- **Surestop Steel Cage Mesh (Contact PUDLO for more information)**
- **Barrel Gun and Nozzles**

SIZE & PACKAGING

Surestop BWB is supplied in 5m coils, 25mm x 20mm in boxes (6 x 5 metre rolls per box)

ADDITIONAL INFORMATION

This data sheet should be read in conjunction with our method statement for constructing watertight structures using **PUDLO CWP**. When used in conjunction with **PUDLO CWP** and placed as described in our method statement, Grades 3 levels of dryness according to BS8102: 2009 can be achieved. **Surestop BWB** can also be used in standard concrete applications.