



Part of the DB Group

Surestop SWB

DESCRIPTION

Surestop SWB is a fully coated rigid galvanised sheet steel waterstop with a special surface treatment that has a minimum embedment depth of 30mm. The **Surestop SWB** has a general appraisal certificate that is certified up to 20m (2bar). The product includes a safety line to control the minimum embedment into the concrete. The surface is covered against contamination with four protective foils that are progressively removed before each stage of pouring concrete.

ADVANTAGES

- Easy to install and independent of weather
- Omega brackets / stirrups prevent displacement **Surestop SWB** strip or coil
- 30mm embedment depth ensures resistance of 2 bars
- No swelling and no chemical reaction
- Permanent quality control because of safety line



APPLICATIONS

Surestop SWB can be used for the sealing of all construction joints against pressurised and non-pressurised water. The use of **Surestop SWB** at the base of a wall to a concrete slab can also be used for kickerless construction. In addition, and in combination with other shuttering systems, it can be used as a stop-end in floor plates, walls and ceilings.

INSTALLATION

Surestop SWB with double-sided coating is installed to the upper reinforcement layer and held in place with **Surestop SWB** Omega bracket/stirrup. Remove the protective film tape of the **Surestop SWB** prior to concreting only. The depth of immersion of the **Surestop SWB** in the fresh concrete is a minimum of 30mm/3cm and up to half the width of the **Surestop SWB** (refer to **Surestop SWB** Sealing System/Technical Note for more information).

TECHNICAL DATA

Sheet steel material	DX 51 D (galvanised)
Surestop SWB height	167 mm
Surestop SWB thickness (complete)	1.4 mm
Surestop SWB length	2 m or 25m
Surestop SWB coating	SBS bitumen
Surestop SWB coating colour	black

INSTALLATION INSTRUCTIONS

Surestop SWB is installed on top of the upper reinforcement by using one Omega bracket/stirrup per metre run for fixing. Connections are made by removing the protective foil, overlapping at 5cm, pressing the coated surfaces to each other and fixing with a joint clip. Before casting, the two protective foils (bottom side) have to be removed. The two foils on top are removed before the wall is cast. The minimum embedment depth of 30mm/3cm is achieved when the safety line is fully embedded into the concrete.

- Spread the **Surestop SWB** elements along the joint (if using 2m length strips).
- Roll out the **Surestop SWB** roll (25m coil)



Part of the DB Group

PRODUCT DATA SHEET

- For corners and T-joints bend the **Surestop SWB** to suit
- Remove the lower protective foils (internal and external one)
- Place **Surestop SWB** on top of upper reinforcement
- Fix **Surestop SWB** to reinforcement with one Omega bracket /stirrup per metre run
- Installation is preferably in the middle of the wall section and in between the rising reinforcement
- Connect **Surestop SWB** elements with each other by overlapping the coated surface at 5cm and press against each other without the protective foil in between. Secure with the included joint clips
- At low temperatures (below 5°C), warm the overlapping joints gently with a blow-lamp
- The minimum embedment depth into the first concrete step is 30mm/3cm
- Only remove the upper protective foils prior to installation of the wall reinforcement and/or before closing the formwork. **Surestop SWB** surface must to be clean

LIMITATIONS

The protective foil on **Surestop SWB** should not be removed until it is necessary. The foil protects against dirt and debris build-up on the coating that would affect the **Surestop SWB** from bonding to the fresh concrete.

SIZE AND PACKAGING

Surestop SWB is 167mm high and 1.4mm thick all over. It is supplied in PUDLO boxes with 50 x 2m lengths per box or as 1 x 25m roll per box. When ordering 2m lengths, these can be packaged differently to suit the smaller quantity. Each packing unit includes a sufficient number of Omega brackets/stirrups and joint clips.

ANCILLARY PRODUCTS

- **Surestop SWB 2m strips (Optional Requirement)**
- **Surestop SWB to Expansion Joint Connector (Movement Joint)**
- **Surestop SWB Omega Brackets & Joint Clips (Pre-Packaged)**
- **Surestop SWB (Transition from Horizontal to Vertical Waterproofing)**

SAFETY

Surestop SWB is inert and free from deleterious materials.

APPROVALS

- ETA-15/0003
- General Building Code Test Certificate P-5120/231/09 MPA-BS

Note: For all fixing information and technical details, please refer to the **Surestop SWB** Sealing System Technical Note for Designers and Installers.