

TOP SWELBAR



Expansive hydrophilic waterproofing strip for sealing horizontal and vertical construction joints/concrete to steel joints in underground projects.

PRODUCT DESCRIPTION

TOP SWELBAR is a flexible, synthetic waterproofing strip based on a combination of specially formulated premium rubber material and hydrophilic resin. It has perfect rubber performance and can expand when contacting with water and forming into a tight water barrier in the joints, its excellent waterstop performance makes it a crucial part for joints waterproofing in underground projects.

ADVANTAGES

- Can contact with fresh and sea/brackish water directly;
- Expands minimum 250% in contact with fresh water;
- Can be applied in the project with medium to high water pressure;
- Can fill up all the seams/gaps, and build up a waterproofing pressure inside the joint;
- The special formula creates a delayed initial expansion which makes it safe to fit in different joints during concrete applications;
- Uniform swelling capacity, no sag after installation;
- Easy to install by nail or adhesive under Confix instructions and supporting systems;
- Excellent flexibility and high swelling capacity, TOP SWELBAR can adapt to small movement of the structure perfectly;
- Good all-round chemical resistance and can resist petroleum, mineral and vegetable oils and greases.

INSTALLATION

GENERAL ATTENTION:

- TOP SWELBAR can only function properly in a confined space. The expansion will create a certain pressure; installation in the middle of the joint is preferred.
- Avoiding heavy rain or in prolonged contact with water during installation, this may cause premature swelling of the strip.
- Application substrates should be level, dry, clean and free of oils, dust and laitance, etc

INSTALLATION WITH PREFORMED GROOVE:

1. Use wooden batten/strip to make preformed groove on concrete (pls consult Confix to learn fabrication process);
2. Remove concrete form, clean and degrease by dry compressed air or by cleaning with a cloth and solvent. Do not use water or water-based detergents;
3. Unroll and pre-cut the TOP SWELBAR strip to the required length;
4. Embed TOP SWELBAR into the preformed groove;
5. The applicator must ensure complete contact of the strip with the joint surface.

INSTALLATION USING ADHESIVE:

TOP SWELBAR are always applied on the outside face of the compression seal as closely inwards as possible.

1. Unroll and pre-cut the TOP SWELBAR strip to the required length;
2. In case the surface is contaminated, clean and degrease by dry compressed air or by cleaning with a cloth and solvent. Do not use water or water-based detergents;
3. Brush contact glue on installation surface, let it cure (pls consult CONFIX to get curing time and other advice);
4. Apply the TOP SWELBAR to the substrate and apply a constant pressure. The force of the pressure is more important than the duration;

5. Finish the installation by lightly tapping the strip with a rubber hammer without displacing the strip.

INSTALLATION USING NAILS:

TOP SWELBAR are always applied on the outside face of the compression seal as closely inwards as possible.

1. Unroll and pre-cut the TOP SWELBAR strip to the required length;
2. In case the surface is contaminated, clean and degrease by dry compressed air or by cleaning with a cloth and solvent. Do not use water or water-based detergents;
3. Use nails with wooden batten or washer smaller than the width of the TOP SWELBAR strip. Use one nail every 20cm;
4. The applicator must ensure complete contact of the strip with the joint surface during nailing.

ADVANTAGES

Testing Item	Indicator
Shore A Hardness	45±10
Swelling Ratio Fresh Water %	≥ 250
Tensile strength, Mpa	≥3.5
Hydrostatic pressure Resistance	> 60m
Breaking elongation, %	≥450
Service Temperature °C	- 40 to 80
Density, kg /dm ³	1.35
Color	Black/Red

PACKING

TOP SWELBAR can Supply in 20×10mm/20mm, Delivery in Roll form with length of 15m.

STORAGE

Stored on horizontal position to prevent damage in a clean dry location. And cover as necessary to protect rolls from environmental damage, heat, cold or moisture etc..Product does not expire if correctly stored.

Warning:

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