

PRODUCT DATA SHEET

SCC SwellStrip

Thermoplastic Expansion Tape for Waterproofing

Product Description:

SCC SwellStrip is a thermoplastic expansion tape for waterproofing joints with excellent swelling capabilities.

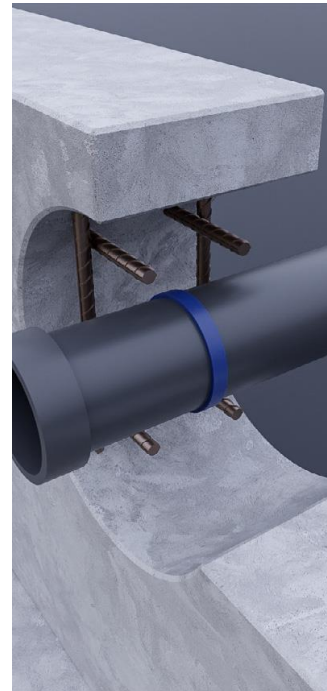
Characteristics/Advantages:

- Simple application
- Dimensionally stable even at high temperatures
- Suitable for freshwater and saltwater
- Rapid expansion
- Self-injecting function by penetrating cracks and voids
- Swelling process is infinitely often repeatable and often reversible

Typical Application:

SCC SwellStrip is used for inside waterproofing of working joints in concrete, which are exposed to permanent or temporary loads to ground water, run-off water and/or surface water. Dimensionally stable; swelling process is infinitely often repeatable, often reversible; suitable for freshwater.

Typical applications shown below:



Substrate Preparation:

The substrate must be sustainable, mostly flat and a closed surface texture. It is essential that it is free from gravel pockets, cavities, gaping cracks, dust and be free from adhesion inhibiting substances. Sintering layers are to be removed by mechanical abrasion if necessary. During the application of **SCC SwellStrip** the substrate may be matt damp, but puddles of water must be avoided. Mechanical fixation is recommended with fixing glue. The product can be adhered to concrete, steel and PVC pipe penetrations with glue.

Product Application:

It is necessary to ensure that there is at least 8 cm coverage of concrete from the side exposed to water. **SCC SwellStrip** bonds with a mounting adhesive suitable for waterstops. Completely cover the prepared substrate with the mounting adhesive and press **SCC SwellStrip** into the adhesive until it oozes out from beneath. Earliest after 8 hours beginning to pour the concrete after bonding. Alternatively expansion tape can also be fixed with steel nails (min. 5 nails per meter). Ensure that the expansion tape makes complete contact with the substrate, avoiding the formation of loops.

See images below for application steps.



Figure 1: Substrate Preparation



Figure 2: Mechanical fixation of SCC SwellStrip with adhesive

Mechanical fixation is recommended with fixing glue. The product can be adhered to concrete, steel and PVC pipe penetrations with glue.

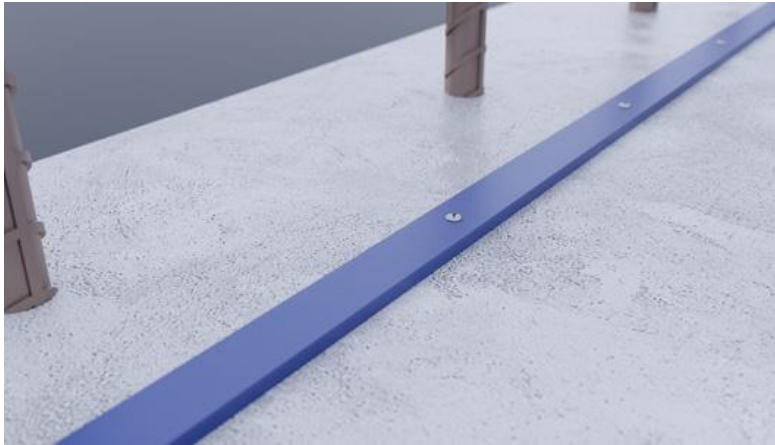


Figure 3: Mechanical Fixation of SCC SwellStrip with nailing

Alternatively, the swelling tape is fixed by nailing at approx. 150 mm centres.



Figure 4: Material Transfers with Overlap Area

Material transfers are done with an overlap area of at least 50 mm.

Appearance:

Colour: Blue
Format: Square profile
Dimensions: 5mm x 20mm

Technical Data – Testing Information

	DIN/ Test Condition	Value
Density	-	Approx. 1.22g/cm ³
Swelling Capacity	7 d stored in distilled water 42 d stored under alkaline conditions 21 d stored under acidic conditions	500% 333% 243%
Swelling Pressure	-	Approx. 1.3 N/mm ²
Fire Classification	According to DIN 4102-1	B 2
Water Impermeability after Installation: Joint Width: 0.25mm	-	2.0 Bar
Toxicity	-	none

Chemical Properties:

SCC SwellStrip is made up of modified thermoplastic elastomers Resistance against several chemicals, but we advise to be careful with aromatic oils and fuels, with vegetal oils and strong aromatic solvents.

Certified according to: DIN EN ISO 9001: 2015

Toxicity:

None

Notes:

SCC SwellStrip must be stored dry. Make sure that the tape lies flat and planar on the concrete, without any contamination beneath **SCC SwellStrip**. Before concreting protect **SCC SwellStrip** from moisture and inspect the **SCC SwellStrip** visually. Very swollen **SCC SwellStrip** is not suitable and must be removed. **SCC SwellStrip** is unsuitable for movement joints.

Storage:

Maximum of 24 months – it is essential that goods are kept in the original packaging, kept frost free and dry, and protected from the weather.

Health and Safety:

Refer to **SCC SwellStrip** MSDS sheet

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