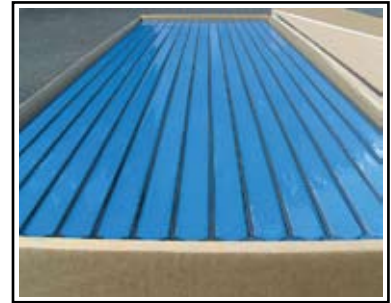


Swellseal 108

Self adhesive hydroswellung rubber strip for sealing joints between pre-cast elements, vertical construction joints and concrete-steel joints in fresh or salt water applications.



• field of application

- Sealing joints between concrete pre-cast elements, vertical construction joints, sealing pipe penetrations, sealing concrete-steel joints, etc. in contact with fresh water or salt water.
- Sealing construction joints in fresh concrete when the concrete cover is at least 10 cm to all sides.

• advantages

- Hydroswellung rubber strip with reversible expansive properties in contact with fresh and salt water.
- Very good adhesion to dry and moist concrete.
- Special end profile allows easy connection between lengths of Swellseal 108.
- High swelling ratio: swells up to 3,5 V in contact with fresh water and 2 V in sea water.
- Will not sag when correctly installed.
- Self adhesive, easy to install on precast elements.
- Flexible and elastic.
- Good all-round chemical resistance^(*) and can resist to petroleum, mineral and vegetable oils and greases.
- Good impact resistance.

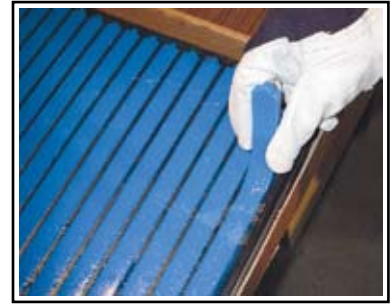
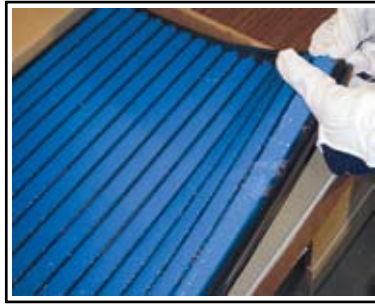
• description

Swellseal 108 is an elastic strip made of swelling polyurethane polymer. No bentonite or any other swelling additives have been added. Enclosed between pre-cast concrete elements, it will expand in contact with water and seal the joint. Swellseal 108 has a swelling capacity of up to 3,5 V in contact with water.

• application

- Swellseal 108 can only function properly in a confined space. The expansion of Swellseal 108 will create a certain pressure, installation in the middle of the joint is preferred. In poured concrete applications, 10 cm concrete cover is recommended.
- Prior to the installation of Swellseal 108, the surfaces should be level, free from standing water, clean and free of oils, dust, laitance, etc.

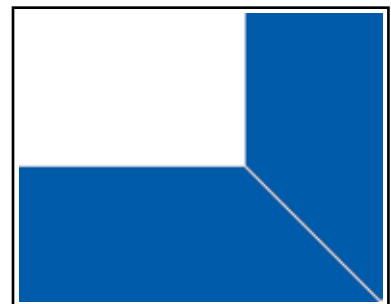
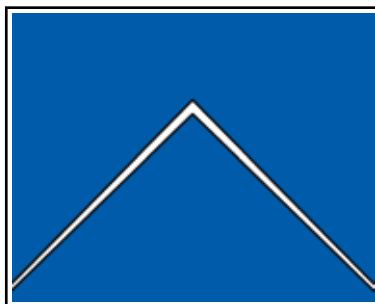
- To remove the strip from the blister, peel back the blister at the male end of the strip. Pull the strip up out of the blister supporting the strip underneath.



- On smooth and precast concrete: Install the Swellseal 108 in the middle of the joint. The Swellseal 108 strip will self adhere to the surface. The Swellseal 108 strip can be additionally gun nailed to secure in place. Use 1 nail per 25 cm. Assure that the heads of the nails do not protrude beyond the section of the strip.
- On rough concrete: Level the surface and repair any honeycombs and other surface defects with a suitable repair mortar (consult your local De Neef representative).
- Swellseal 108 can be installed around pipes, either by self adhesion or by connecting the ends with a steel wire.
- Installation during heavy rain or in prolonged contact with water can result in a premature swelling of the strip, which should be avoided.

Important

- Strip ends are butt connected using the male-female connection provided on the strips. In case the length of the joint does not allow the preformed connection to be used, the strips are joined by making a triangular cut creating a male-female connection as per the drawing below. In case changes in plane or direction are needed, the strips are joined using a 45° chamfered cut as per drawing below.
- For added safety, cut strip end connections can be jointed using Swellseal Mastic WA.



• **technical data/properties**

| Property | Value |
|---------------------|-------------------------------|
| Swelling ratio | approx. 3,5 V |
| Shore A hardness | approx. 45-50 |
| Tensile strength | approx. 0,8 N/mm ² |
| Elongation at break | approx. 200% |

• **appearance**

Rectangular strip made out of hydrophilic expansive rubber with smooth sides.

Colour : Blue.

Dimensions : 20 x 5 mm, 20 x 10 mm.

• **consumption**

The necessary quantities depend on the length of the various (construction) joints, which need to be sealed. Strip ends are simply butted together to assure continuous seal.

• **packaging**

Swellseal 108 is packaged in blisters in cardboard boxes.

Length per strip is 1,15 m.

Swellseal 108 20 x 5 mm

- 150 strips per box = 172,5 m
- Net weight approx. 19 kg, gross weight approx. 21 kg.

Swellseal 108 20 x 10 mm

- 75 strips per box = 86,25 m
- Net weight approx. 19 kg, gross weight approx. 21 kg.

• **storage**

Unlimited in a dry place in its original packaging.

• **health & safety**

For full information consult the relevant Material Safety Data Sheet.

(*) For chemical resistances please contact your De Neef representative.

All data mentioned on this technical data sheet are product descriptions. They are the result of general experience and experiments and don't take any specific application into account. No further demands may be derived from these data. The manufacturer has the privilege to implement technical changes, which result from new research concerning the material composition and form. To verify that you are holding the latest version of this Technical Data Sheet, please visit www.deneef.com.

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