

SOPRASWELL NG

Description

SOPRASWELL NG is a hydrophilic rubber waterproofing strip in 10 m length. It is simply fastened onto an existing joint. In contact with water and in confined conditions, **SOPRASWELL NG** will swell and stop the water infiltration. It remains consistent in its performance throughout its life cycle and the flexibility allows it to fill voids and cracks in the immediate surrounding area.

Characteristics

Composition	hydrophilic rubber
Swelling capacity	>500 %
Density (EN ISO 1183-1)	1,22 ±0,03 kg/dm ³
Hardness (EN ISO 868)	35 ±5 Shore A
Hydrostatic pressure resistance	7 bar
Elongation at break (ISO 37)	>400 %
Installation temperatures	-20 °C to +75 °C
Tensile strength (ISO 37)	>2 MPa

Packing & storage

Roll of 10 m

SOPRASWELL NG is moisture-sensitive, store in a dry space between +5 °C and +30 °C.

Advantages

- Ecologically friendly.
- Easy to install, no special tools required.
- **SOPRASWELL NG** has a good impact resistance and good overall chemical resistance.
- Permanently active system "wet/dry cycles".
- Swells more than 300 % when in contact with water.
- Due to its flexibility and high swelling capacity, **SOPRASWELL NG** can absorb movements in the construction.
- Easy to install by nailing or gluing.

Fields of application

SOPRASWELL NG is used in:

- Construction joints in concrete.
- Cold joints.
- Pipe penetrations through concrete.
- Joints between prefabricated pipe elements.
- Joints between pre-casted concrete elements like water tanks and manholes.
- Joints between floors slabs/walls and secant pile walls/slurry walls/sheet piles.
- Sealing vertical and horizontal construction joints.
- Sealing cold joints between concrete precast elements and tunnel elements.
- Sealing pipe penetrations.
- Not suitable for expansion joints.

Installation

Preparation of the substrate:

- Clean surface free from dust, oil patches and other debris.

Application:

- Install **SOPRASWELL NG** in the middle of the joint.
- There should be a minimum concrete cover of 6 cm on either side of the strip, this to avoid the concrete to chip of when the strip expands.
- The strip needs to be in full contact with the substrate surface.
- It only functions in confined spaces where it can develop sufficient internal pressure to guarantee the complete waterproofing of joint or crack.
- It needs to be fixed to the surface by gluing or nailing (every 30 cm).
- Unroll **SOPRASWELL NG** and press firmly to make sure the strip is in contact with the surface.
- Sealing of the joint is obtained by the swelling of the strip
- Avoid installing the strip during heavy rain or on wet surfaces. This can result in premature swelling of the strip.
- Avoid stretching the strip during installation.

Special indications

Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.

For more information, please refer to the relevant safety data sheet.

Quality-, Environment- and Safety Management

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety.

For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with

EN ISO 9001 and **EN ISO 14001**.