



WATERPROOFING

APPLICATIONS

CONSTRUCTION JOINTS

SOPRASWELL NG

TECHNICAL DATA SHEET ANZTDS-E-140-01

DESCRIPTION

SOPRASWELL NG is a red hydrophilic rubber waterproofing strip of 20 x 10 mm or 30 x 20 mm.

SOPRASWELL NG is simply fastened onto an existing joint. In contact with water and in confined conditions, SOPRASWELL NG will swell and stop the water infiltration.

SOPRASWELL NG remains consistent in its performance throughout its life cycle and the flexibility allows it to fill voids and cracks in the immediate surrounding area.

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.

APPLICATION

Note :the following is a typical application description. In case of other jobsite parameters, please contact our technical department.

REQUIRED TOOLS

No special tools are required.

PREPARATION OF THE SUBSTRATE

Clean all surfaces from dust, oil patches and other debris by brushing or compressed air.

PREPARATION OF THE PRODUCT

- Install SOPRASWELL NG in the middle of the joint.
- There should be a minimum concrete cover of 6cm on either side of the strip, this to avoid the concrete to chip off when the strip expands.
- SOPRASWELL NG needs to be in full contact with the substrate surface.
- SOPRASWELL NG only functions in confined spaces where it can develop sufficient internal pressure to guarantee the complete waterproofing of joint or crack.
- SOPRASWELL NG needs to be fixed to the surface by gluing or nailing (every 30cm).
- 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.





WATERPROOFING

APPLICATIONS

CONSTRUCTION JOINTS

SOPRASWELL NG

TECHNICAL DATA SHEET ANZTDS-E-140-01

TECHNICAL DATA

Property		Value	Norm
Hardness (Shore A)		45±7	GB 18173.3 - 2014
Tensile Strength		≥ 3 MPa	
Elongation at break		≥ 350%	
Volume Expansion ratio		≥ 400%	
Repeated immersion test	Tensile Strength	≥ 2 MPa	
	Elongation at break	≥ 250%	
	Volume Expansion ratio	≥ 300%	
Cold Bending(-20°C*2h)		No Cracks	

STORAGE & SHELF LIFE

SOPRASWELL NG should be stored under cover, clear of the ground. Protect the materials from all sources of moisture and frost. Keep away from sunlight. Keep away from acid, alkalis, oil, organic solvent. Storage temperature must be between + 5°C and 30°C. Shelf life is unlimited in correct storage conditions.

PACKAGING

Customized size.

RESISTANT

Sea water, Petrol, Diesel, Kerosene, Jet Fuel, Mineral Oil, Liquid Manure, Ethylene Glycol, Ethanol, Methanol, Acetone, Ammoniac Solution 32%, Sodium Hydroxide Solution, 2-Butoxyethanol Sol, 10%, n-Hexane, Acetic Acid 96%, Ethyl Acetate, o-Xylene, m-Xylene & Toluene,

