

SOPRASWELL NG

TECHNICAL DATA SHEET

ANZ-TDS-49-3-SOPRASWELL NG



ACCESSORY
PRODUCTS

APPLICATIONS

FOUNDATIONS

TUNNELS

UNDERGROUND STRUCTURES

DESCRIPTION

SOPRASWELL NG high performance hydrophilic Waterstop is a new generation, self-adhesive acrylic polymer base expanding hydrophilic water-stop. It's designed to expand when in contact with water to form a positive seal against the concrete surface and stop water ingress through cast in place concrete structures.

FIELD OF APPLICATION

SOPRASWELL NG is used to seal static construction joints for both horizontal and vertical applications. SOPRASWELL NG can be fastened with nails or glued with an adhesive.

- Tunneling
- Foundations
- Other civil works



Easy to install with no priming required

Self-adhesive backing

Lightweight

Easily handled rolls

Suitable for both fresh and salt water installations

APPLICATION

SUBSTRATE

All concrete surfaces to receive the SOPRASWELL NG Hydrophilic Waterstop must be firm, clean, dry, sound and smooth. All laitance, loose material, and any other contaminants which may reduce or prevent adhesion must be removed.

APPLICATION PROCEDURE

- Place the SOPRASWELL NG Hydrophilic Waterstop in the appropriate position on the substrate.
- Carefully remove the protective backing tape from the adhesive side and apply moderate pressure to the entire length of the SOPRASWELL NG Hydrophilic Waterstop pressing firmly to the substrate.
- Roll or cut ends are to be tightly butt joined to create a continuous seal.
- Once installed check to make sure the SOPRASWELL NG Hydrophilic Waterstop is firmly adhered to the substrate.
- Rough surfaces must be repaired with an appropriate epoxy mortar mix, concrete placement can commence once the SOPRASWELL NG Hydrophilic Waterstop has sufficiently bonded to the substrate.
- Care should be taken during the placing of concrete ensuring the SOPRASWELL NG Hydrophilic Waterstop is not displaced.

NOTE

- SOPRASWELL NG only functions in confined spaces where it can develop sufficient internal pressure to guarantee the complete waterproofing of joint or crack.
- There should be a minimum concrete cover of 6cm on either side of the strip, in order to avoid the concrete to chip when the strip expands
- 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.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PERFORMANCE AND PHYSICAL PROPERTIES

PROPERTIES	SOPRASWELL NG
Form	20 mm x 10 mm x 80 m
Dimensions	20mm x 5mm / 20mm x 10mm
Minimum concrete coverage	50mm / 75mm
Application temperature	-10°C - +50°C
Water pressure resistance (14 days)	7 bar



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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LIMITATIONS

Do not apply SOPRASWELL NG Hydrophilic Waterstop:

- If it is raining or if rain is imminent.
- Over contaminated or wet substrates.
- To substrates with ponding water.
- Leave exposed to inclement weather conditions which may cause the SOPRASWELL NG Hydrophilic Waterstop to prematurely expand.
- If premature expansion occurs allow the SOPRASWELL NG Hydrophilic Waterstop to fully dry before proceeding or replace if necessary.
- For further information about this product contact the SOPREMA Technical Department.

PACKAGING

- **SOPRASWELL NG** : 20 metre roll (7 rolls per carton)
- **SOPRASWELL NG** : 10 metre roll (7 rolls per carton)

SHELF LIFE

24 months in its original moisture-proof wrapping, in cool dry environment away from direct sunlight.



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