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TECHNO-Swell Plus

Hydrophilic water stop based on synthetic rubber that acts as a watertight sealing for construction joints with excellent swelling capabilities.



Description

- Swellable water stop based on synthetic rubber that acts as a watertight sealing for construction joints with excellent swelling capabilities. TECHNO-Swell Plus retains its own shape after multiple wet and dry cycles.
- TECHNO-Swell Plus has a good resistance to a wide range of chemicals, final confirmation about compatibility under specific conditions can be obtained from our technical dept.
- TECHNO-Swell Plus remains consistent in its performance throughout its life cycle and the flexibility allows it to fill voids and cracks in the immediate surrounding area.

Features

- Swells up to (1000%-1300%) of its initial volume.
- Re-swells upon exposure to moisture after dry periods

Benefits

- Swelling-fitted filling of cracks and fissures
- Self-heals even after dry periods.

USE

- Designed for the easily applied sealing of construction joints in concrete and reinforced concrete construction. TECHNO-Swell Plus seals against non-pressing and pressing ground water up to 6 bar. TECHNO-Swell Plus can be used in repeated wet and dry cycles.
- The sealing bars should be square butted and tight to ensure a continuous section with a minimum of 60mm concrete cover.
- TECHNO-Swell Plus can be applied both vertically and horizontally but under no circumstances should it be used in expansion joints.



Technical Data

Volume expansion in rainwater	1100%
Volume expansion in concrete water	950%
Colour	Yellow
Hardness	35° Shore A
Tensile strength	>2 MPa
Elongation	>400%
Density	122 g/cm ³
Temperature range	-20 +75°C
Weather resistance	Excellent



* indicative values – no specifications

Application

Mechanical fixation recommended with TECHNO-Glue, alternatively, the TECHNO-Swell Plus sealing bar fix by nailing at approx. 300mm center.

The product can be adhered to concrete, steel and PVC pipe penetrations with TECHNO-Glue, the fixing glue ensures a good bond even on slightly uneven and wet surfaces.

The use of a tying wire around TECHNO-Swell Plus in the case of securing it to PVC pipes recommended in conjunction with the adhesive.

For salt-water environment, in polluted water conditions and in contact with manure and slurry, we recommend TECHNO-Swell Plus.

Packing

Size	Roll	Box
20 x 5 mm	10 m	5 x 10 m
20 x 10 mm	10 m	5 x 10 m



Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to Material Safety Data Sheet (MSDS).

Disposal

The product residues can be disposed of as normal domestic waste. For further information, please refer to the Material Safety Data Sheet (MSDS).

Legal Notes

The information and the recommendations relating to the application given in good faith based on TECHNOSEAL knowledge and experience of the products when properly stored handled and applied under normal conditions in accordance with TECHNOSEAL's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. TECHNOSEAL reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders accepted subject to our current terms of sale and delivery. Users must always refer to the Product Data Sheet.

