

GRADASWELL BAND-A

Acrylic Based Hydrophilic Swell Strip



1. Composition

GRADASWELL BAND-A is a high performance acrylic polymer based expanding tape.

2. Application

used for:

- waterproofing casting and header joints in concrete
- waterproofing pipe lead-throughs
- waterproofing joints between prefab concrete elements
- waterproofing around all sorts of lead-throughs and construction joints (stationary joints)
- waterproofing connecting joints

3. Properties

- Colour: RED
- Density: 1.40 g/cm³
- Shore A: 50
- Melting point: 110 °C
- Tensile strength, unswollen state (EN ISO 527): ± 0.7 MPa
- Elongation at rupture, unswollen state (EN ISO 527): $\pm 300\%$
- keeps its shape completely without splitting or cracking, even at maximum swelling. In addition, the elastomeric properties are maintained in this maximum swelling state.
- Contains no traces of bentonite.

4. Types and characteristics

Standard dimensions: 20 x 5 mm or 20 x 10 mm

can be manufactured in widely varied dimensions and shapes on request.

The volumetric %-swelling of the profile with a 20 * 5 mm and 20 mm *10 mm cross-section in both tap water

and demineralised water is summarised below.

- Maximum swelling 20mm * 5mm in tap water: $\pm 500\%$
- Maximum swelling 20mm * 5 mm in demineralised water: $\pm 600\%$
- Maximum swelling 20mm * 10mm in tap water: $\pm 500\%$
- Maximum swelling 20mm * 10mm in demineralised water: $\pm 600\%$

5. Packaging

(20 x 5 mm) : 7 rolls of 20m per box (70m/box) / 30 boxes (2100m) per euro pallet

(20 x 10 mm) : 7 rolls of 10m per box (70m/box) / 30 boxes (700m) per euro pallet

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6. Application advice

Applied to the middle of the construction joint. It is advisable to allow at least 8 cm of concrete on both sides of

the expanding sealant to prevent cracks in the concrete.

The joint sealant should be applied on a dry and smooth surface.

Attachment can be with adhesive and/or nails every 30 to 40 cm.

The ends of the swell strips should be placed head-to-head against each other or with an overlap of 10 cm.

Placement in the middle of the construction joint is recommended (between the inner and outer reinforcement).

7. Shelf life

2 years if in original packaging, dry and frost-free.



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