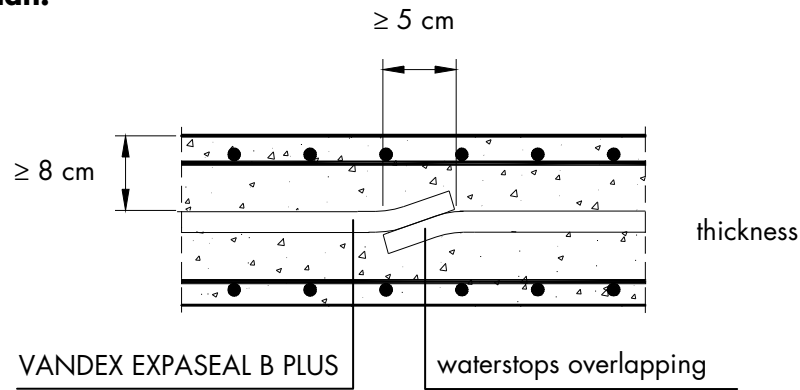


Expanding Waterstop 16×21 mm with rain protection coating

- **highly flexible**
- **crystalline waterproofing effect**
- **very good swelling behaviour**
- **resistant to water pressure up to 7 bar**
- **suitable for drinking water structures**

| | |
|-----------------------------|---|
| Material | VANDEX EXPASEAL B PLUS consists of polyisobutylene rubber / sodium bentonite, special fillers and additives. VANDEX EXPASEAL B PLUS comes with a rain protection coating. |
| Areas of Application | VANDEX EXPASEAL B PLUS is used to waterproof construction joints or pipe inlets in concrete structures exposed to permanent or temporary hydrostatic water pressure. |
| Properties | <p>When in contact with water VANDEX EXPASEAL B PLUS swells more than 300%. The pressure of the swelling action will cause VANDEX EXPASEAL B PLUS waterstop to expand in the joint, filling all cavities and thereby stopping waterflow.</p> <p>The rain protection coating effectively delays premature swelling for 2–3 days. The coating responds to pH value: It is resistant against rain (pH approx. 7), the alkaline fresh concrete (pH > 11) however dissolves the coating chemically whereby swelling process of the waterstop is started by water contact. The swelling process is reversible though not dimensionally stable.</p> <p>Due to special additives in the rubber matrix the waterproofing effect of VANDEX EXPASEAL B PLUS is enhanced by crystallisation.</p> |
| Surface Preparation | All joints to be waterproofed with VANDEX EXPASEAL B PLUS must be clean and free of surface water and sharp protrusions. The installation of VANDEX EXPASEAL B PLUS can be carried out on damp surfaces. |
| Application | <p>For joints widths of 20–40 cm VANDEX EXPASEAL B PLUS is fixed in the middle of the joint. As a precaution thicker walls can be fitted with two VANDEX EXPASEAL B PLUS waterstops.</p> <p>VANDEX EXPASEAL B PLUS is set into the joint with VANDEX UNIFLEX (refer to technical Data Sheet) or mechanically fixed in the construction joint with nails (approx. 4–5 nails per linear meter) or a fixing rail. Always ensure that it is in intimate contact with the surface, of the substrate otherwise the full waterproofing effect will not be realised.</p> |

Plan:

VANDEX EXPASEAL B PLUS waterstops must not be stretched during installation, otherwise shrinkage cracks may occur in case of extended waiting time before concrete is put in place.

Butt joints: VANDEX EXPASEAL B PLUS butt joints must have an overlap (see plan above).

Packaging

Box: 30 m (6 × 5 m)

Storage

When stored in a dry, frost-free place in unopened, undamaged original packaging, shelf life is 12 months.

Technical Data

| | |
|-----------------------------------|---|
| Basis | polyisobutylene rubber / sodium bentonite |
| Colour | black / dark grey |
| Dimension | 16 × 21 mm |
| Weight | 570 g / m |
| Swelling capability | ≥ 300% |
| Resistance against water pressure | 70 m (7 bar) |
| Application temperatures | -20 °C up to +50 °C |
| Resistance against microorganisms | resistant |
| Chemical resistance | good resistance against chlorides, diluted acids and alkalies (specific resistances upon request) |

All data are averages of several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity, and porosity of substrate may affect these values.

Health and Safety

VANDEX EXPASEAL B PLUS is not a dangerous substance. For further information please refer to Material Safety Data Sheet.

The information contained herein is based on our long-term experience and the best of our knowledge. We can, however, make no guarantee since for a successful outcome, all circumstances in an individual case must be taken into consideration. Indications of quantities required are only averages which in certain cases might be greater.

**CONCRETE PROTECTION AND WATERPROOFING**

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