



Triton Bentofix BFG 5000

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Detailed description

A waterproofing membrane for use over horizontal or vertical surfaces, to waterproof and protect reinforced concrete slabs and retaining structures.

The membrane sheet is a composite of sodium bentonite powder, a woven polypropylene geotextile on the underside and a non-woven polypropylene fibre layer on the topside (facing the concrete to be waterproofed).

The upper, non-woven layer has been impregnated with an additional loading of bentonite powder. The two geotextiles are mechanically joined by a needle punching process, pushing the fibres of the upper non-woven geotextile through the bentonite and securing them in the retaining lower layer.

The non-woven geotextile side is generally placed against the concrete structure, either in a pre or post applied application.

Features and benefits:

- Impermeable lap joints are achieved from the additional bentonite powder.
- Full surface contact between the bentonite impregnated cover layer and the concrete ensures that small cracks and surface imperfections are sealed.
- The membrane is heat sealed to securely link the two layers and to contain the bentonite.
- Self-healing properties.
- Quick and easy installation in most weather conditions.
- Forms a mechanical bond to poured concrete when cast in-situ (pre-applied application), remaining in place if settlement of the substrate occurs.
- No requirement for priming systems, joint taping or protection systems.
- Non-flammable.
- Tested in accordance with the appropriate parts of the following standards: ASTM D5887, CSN 73 0601 and ISO 10913.

Applications:

- Waterproofing protection to grades 1, 2 and 3 of BS 8102: 2009.
- Provides protection in either post-applied or pre-applied situations.
- Horizontal or vertical application.
- RC and masonry walls.
- Service reservoirs.

For situations where ground gases are also of concern, Bentofix BFG 5300 is available. Consult manufacturer for details.



Triton Systems

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Product guidance - As Standard

Roll size:

4.5 x 1.2 m.

Thickness:

7 mm.

Technical characteristics (at 20°C):

- Tensile strength: 20 kN/m/ 11 kN/m.
- Puncture force: 2500 N.
- Peel strength: >360 N/m.
- Water permeability: <5 x 10 m/s-9.

Product specification

Manufacturer

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Product reference Triton Bentofix BFG 5000