




bontec® protec VNW



Our solutions
on engineering
structures



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Our specifications

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highly deformable puncture-resistant needle-punched nonwoven geotextile

bontec® protec VNW is used

- for protection of geomembranes
- for filtration separation under rockfills

Advantages

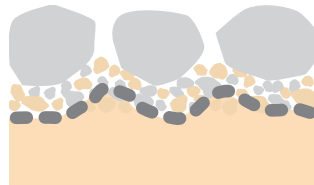
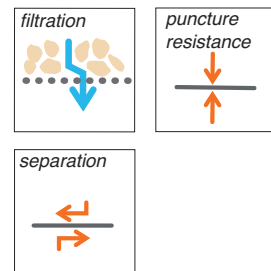
- bontec® protec VNW is needle-punched from 100% virgin polypropylene fibres,
- bontec® protec VNW with 80% to 120% elongation at break, suitably covers reliefs and offers excellent puncture resistance.

Detailed description

bontec® protec VNW is needle-punched from 100% virgin polypropylene fibres permitting 80% to 120% elongation at break. For a mass per unit area of 700 g/m², its static pyramid puncture resistance is 3 kN, and its dynamic perforation 0 mm.

Installation technique

- plan a layout drawing to limit cutting out,
- prepare a flat, graded, compacted base, with no projecting elements,
- unroll the product on the ground with a shaft passed through the reel, or by hand, or suspend it from a lifting beam,
- the strips' overlap depends on the supporting soil: on a stable, graded soil 30 cm, on a soft soil 60 cm to 1 m,
- the strips can be stitched together or "welded" with a hot air gun or a hot gas gun,
- cut out the product using a cutter or scissors, wearing gloves.



technical characteristics of the range

reference	$\bar{kN/m}$	% (all)	CBR (kN) (mm)	cone drop
VNW 300	14	115	1.8	12
VNW 500	23.7	115	3.4	3
VNW 700	33	115	4.9	1
VNW 1000	48	115	7	0
VNW 1200	57	115	8.7	0
VNW 1800	88	115	14	0
VNW 2000	88	115	15	0

kN/m: raverage strength in production direction and crosswise

Packaging

bontec® protec VNW is available in rolls 5.25 m wide x 100 m or 4 m x 100 m.
Other sizes on request.