

## TECHNICAL DATA SHEET

### ND FV-105 Filter Geotextile



ND FV-105 Filter Geotextile

CE-conform, Polypropylene non-woven geotextile, needle punched and thermocalandered that serves as a filter layer on drainage panels for green roofs or as a separation/filter layer on roof edges or control chambers.

#### Applications

- Nophadrain Extensive Green Roof System
- Nophadrain Intensive Green Roof System

#### Properties

- Material: Polypropylene (PP)
- Colour: white
- Thickness (EN ISO 9863/1): approx. 0.6 mm
- Mass per unit area (EN ISO 9864): approx. 105 g/m<sup>2</sup>
- Static puncture (CBR test / EN ISO 12236): approx. 1,300 N
- Geotextile robustness class (GRK): GRK 2
- Tensile strength (EN ISO 10319): approx. 8 kN/m (MD) / 8 kN/m (CMD)
- Elongation (EN ISO 10319): > 40 % (MD) / > 45 % (CMD)
- Cone drop test (EN ISO 13433): approx. 34 mm
- Characteristic opening size (EN ISO 12956): approx. 100 µm
- Waterflow normal to the plain (EN ISO 11058): approx. 100 l/m<sup>2</sup>s
- Cover within 14 days of installation
- Durable for minimum 100 years in natural soils according to EN 13249:2016 ff
- CE-conform

Product	Dimensions (L x W)	Packaging
ND FV-105 Filter Geotextile	approx. 100 m x 2.4 m	approx. 240 m <sup>2</sup>

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### ND FV-300 Filter Geotextile



ND FV-300 Filter Geotextile

CE-conform, Polypropylene non-woven geotextile, needle punched and thermocalandered that serves as a filter layer to prevent small particles to clog the ND Water Retention Elements. It can also serve as a filter layer on roof edges or control chambers. Moreover, this geotextile is applicable as a horizontal filter layer between drainage and gravel base layer of trafficable roof areas.

#### Applications

- Nophadrain Water Retention System
- Nophadrain Trafficable Roof Systems (Podium and Parking Deck system)

#### Properties

- Material: Polypropylene (PP)
- Colour: white
- Thickness (EN ISO 9863/1): approx. 1.8 mm
- Mass per unit area (EN ISO 9864): approx. 305 g/m<sup>2</sup>
- Static puncture (CBR test / EN ISO 12236): >3.500 kN
- Geotextile robustness class (GRK): GRK 5
- Tensile strength (EN ISO 10319): approx. 22 kN/m (MD) / 24 kN/m (CMD)
- Elongation at maximum load (EN ISO 10319): > 50 % (MD) / > 50 % (CMD)
- Cone drop test (EN ISO 13433): approx. 15 mm
- Characteristic opening size (EN ISO 12956): approx. 60 µm
- Waterflow normal to the plane (EN ISO 11058): approx. 40 l/m<sup>2</sup>s
- To be covered within 14 days after the day of installation
- Durable for minimum 25 years in natural soils according to EN 13249:2016 ff
- CE-conform

Product	Dimensions (L x W)	Packaging
ND FV-300 Filter Geotextile	approx. 100 m x 2 m	approx. 200 m <sup>2</sup>