

## TECHNICAL DATA SHEET

### ND FV-105 Filter Fabric



ND FV-105 Filter Fabric

CE-marked non-woven filter fabric to prevent the growing medium from washing out and clogging the drainage layer.

#### Application

Nophadrain Extensive Green Roof System and Nophadrain Intensive Green Roof System.

#### Properties

- Material: non-woven filter fabric polypropylene (PP)
- Colour: white
- Thickness: approx. 1.1 mm
- Static puncture (CBR test): approx. 1.6 kN
- Tensile strength (EN ISO 10319): approx. 9 kN/m (MD) / 10 kN/m (CMD)
- Elongation (EN ISO 10319): approx. > 65 % (MD) / > 75 % (CMD)
- Dynamic perforation resistance (EN ISO 13433): approx. 28 mm
- Characteristic opening size (EN ISO 12956): approx. 100 µm
- Water permeability normal to the plain (EN ISO 11058): approx. 0.95 m/s
- Mass per unit area (EN ISO 9864): approx. 140 g/m<sup>2</sup>

Product	Dimensions (L x W)	Packaging
ND FV-105 Filter Fabric	approx. 100 m x 2.5 m	approx. 250 m <sup>2</sup>

**nophadrain**<sup>®</sup>  
SMART GREEN ROOF SYSTEMS

#### Nophadrain BV

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## TECHNICAL DATA SHEET

### ND FV-300 Filter Geotextile



ND FV-300 Filter Geotextile

CE-marked, thermally calendered and very strong PP filter geotextile for the use as a filter and system element of the Nophadrain Retention Systems.

#### Applications

- System element of the Nophadrain Intensive Green Roof and Podium/Park Deck Systems, as well as the Nophadrain Water Retention Systems.
- Horizontal filter layer between drainage and gravel base layers as a system element of the Nophadrain Intensive Green Roof and Podium/Parking Roof Systems and as a system element of the Nophadrain Retention Roof Systems under intensive green roofs and trafficable areas.

#### Properties

- Material: thermally and mechanically consolidated filter geotextile made of 100% polypropylene (PP)
- CE-marking: CE-1213-CPR
- Colour: white
- Mass per unit area [EN ISO 9864]: approx. 305 g/m<sup>2</sup>
- Tensile strength, MD / CMD [EN ISO 10319]: approx. 22 / 24 kN/m
- Elongation at maximum load, MD / CMD [EN ISO 10319]: >50/>50
- Static puncture resistance CBR [EN ISO 12236]: >3.500 kN
- Cone drop test [EN ISO 13433]: approx. 15 mm
- Waterflow normal to the plane [EN ISO 11058]: approx. 40 l/m<sup>2</sup>s
- Characteristic opening size [EN ISO 12956]: approx. 60 µm
- Thickness [EN ISO 9863/1]: approx. 1.8 mm
- Mass per unit area [EN ISO 9864]: approx. 305 g/m<sup>2</sup>
- GRK classification: GRK 5
- Durability: Predicted to be durable for a minimum of 25 years in natural soils with 4<pH<9 and soil temperatures < 25 °C. To be covered within 14 days after the day of installation.

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

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