

# Product Data Sheet

## Separation Membrane TGV 21



Water repellent, air permeable membrane of polypropylene, applicable as diffusionable separation layer; e.g. on inverted green roofs or metal decks.

### Technical Data

EDP No. 2180 / 2185

#### Separation Membrane TGV 21

Thermally bound, water-repellent membrane of 100 % polypropylene.

Color:	black	
Thickness:	ca. 0.02 in.	(ca. 0.55 mm)
Weight:	ca. 0.02 lbs/sq. ft.	(ca. 80 g/m <sup>2</sup> )
Maximum tensile strength:		
- lengthwise	38.1 lbf/2.0 in.	(ca. 167 N/50 mm)
- crosswise	27.4 lbf/2.0 in.	(ca. 120 N/50 mm)
Onward tearing strength:		
- lengthwise	ca. 5.4 lbf	(ca. 24 N)
- crosswise	ca. 6.7 lbf	(ca. 30 N)
Maximum tensile extension		
lengthwise / crosswise:	50 %	
Effective opening width:	Dw = 2.0 mil	(Dw = 0.06 mm)
Air permeability at 1 mbar:	15.9 cu. ft./0.1 sq. ft.·min	(0.45 m <sup>3</sup> /0.01 m <sup>2</sup> ·min)
Water vapor permeability of air layer thickness:	s <sub>d</sub> < 0.03 ft.	(s <sub>d</sub> < 0.01 m)
Dimensions:		
EDP No. 2180	ca. 5.2 ft. x 820.2 ft.	(ca. 1.60 m x 250.00 m)
EDP No. 2185	ca. 5.2 ft. x 164.0 ft.	(ca. 1.60 m x 50.00 m)

### Features

- chemically and biologically neutral
- resistant to acids and alkalizes
- compatible with bitumen and polystyrene
- non-rotting
- quick and easy installation
- air and vapor permeable
- water repellent

### Installation Instructions

In case of an inverted thermal insulation where a protection mat is not recommended, install the separation membrane above the thermal insulation with an overlap of ca. 4.0 inch. Cut the slip sheet in situ at roof penetrations. Consider an allowance for

overlap and wastage of ca. 10–15 %. Separation Membrane TGV 21 is, included, but not limited to, to be installed according to manufacturer's instructions, not exposed to UV-light, completely covered. Call manufacturer for further options.

### Health and Safety

This product does not require a material safety data sheet (MSDS) according to the OSHA Hazard Communication Standard (29 CFR 1910.1200). When used as recommended or under ordinary

conditions, it should not present a health and safety hazard. However, an MSDS can be provided as a courtesy in response to a customer request.

