

# 6 fürs GRÜN

- Green Roofs
- Artificial Turf
- Natural Ponds
- Garden Lighting
- Flat Roofing
- Road Construction

## Layer Composition



Height  
24 - 29 cm\*



Weight  
431 - 532 kg/m<sup>2</sup>\*



Water Retention  
—

\*depending on utilisation

## Our Green Roof System

### NE 12 - The Car-Accessible Solution



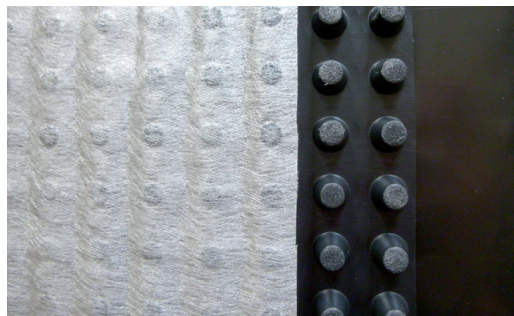
- 1 Top layer: Concrete paving stones 8 - 10 cm
- 2 Bedding: Chippings (0/4), application height 3 cm
- 3 Base layer: Crushed stones (0/32), application height 12 - 15 cm
- 4 Drainage: NE 12 VF with geotextile and sliding foil
- 5 Separation, sliding and protection layer: TGL 550, GRK 5
- 6 Sliding layer: Construction foil PE-LD 0.2 mm

The system NE 12 – for car-accessible areas on subterranean garages and parking decks  
NE 12 – The Car-Accessible Solution shows an excellent drainage performance and a high crush resistance. On basis of the values it is suitable for any application whether for parking decks on subterranean garages, access roads to neighbouring buildings or emergency access roads.

# Drainage NE 12 VF with Geotextile and Foil

The drainage NE 12 VF is made of dimpled PE-HD membrane with a laminated filter layer on top and a sliding foil underneath. Due to a crush resistance of up to 1160 kN/m<sup>2</sup> it is eminent suitable as drainage and protective layer under car and lorry accessible areas. Depending on the set-up of the layers, an impact sound reduction of up to 33 dB can be achieved.

The drainage NE 12 VF with filter layer and sliding foil is harmless to drinking water, chemically neutral, root resistant, rot-proof and resistant to mould and bacteria.



## Application

- as drainage under vehicle accessible areas
- for roofs with a pitch of  $\geq 0^\circ$

## Data

Subject	Unit	NE 12 VF
Raw material membrane	---	PE-HD
Raw material geotextile	---	PP
Weight membrane	g/m <sup>2</sup>	1000
Weight geotextile		136
Weight foil		100
Total weight		1240
Colour membrane	---	black
Colour geotextile	---	silver grey
Height of dimples	mm	10
Quantity of dimples	pro m <sup>2</sup>	3368
Drainage capacity on 20 kPa load (according DIN EN ISO 12958, rigid/soft)	i = 1.00 i = 0.01 i = 0.02 i = 0.05	l/ms 3.48 0.33 0.45 0.71
Opening size geotextile (according to EN ISO 11058)	10 <sup>3</sup> m/s	50
Crush resistance (according EN ISO 25619-2)	kN/m <sup>2</sup>	1160 (116 t/m <sup>2</sup> )
Temperature resistance	°C	-40 up to + 80
Impact sound reduction	db	up to 33

## Dimensions

Subject	Unit	NE 12 VF
Length	m	12.5
Width	m	2
m <sup>2</sup> / roll	m <sup>2</sup>	25
Weight / roll	kg	31

\* All values are average values. Technical changes remain reserving

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