

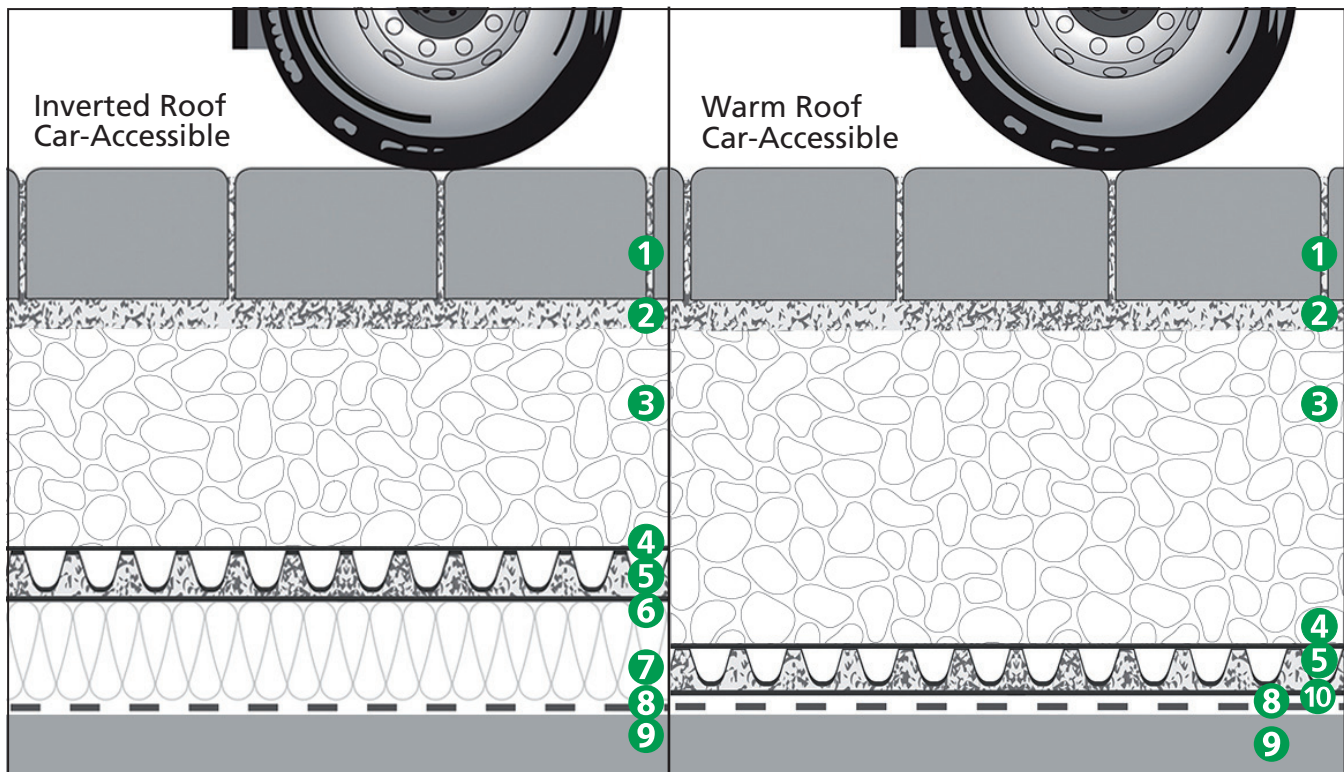
6 fürs GRÜN

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



Our Green Roof System

WE 25/15 UG – Drainage for Car-Accessible Roofs



- 1 Top layer: Concrete paving stones (at least 8 cm)
- 2 Bedding: Chippings (0/4), application height 3 cm
- 3 Base layer: Crushed stones (0/32), application height compacted 12 cm
- 4 Separation and filter layer: Quality fleece PP 150 g/m², GRK 3
- 5 Drainage: WE 25/15 UG, filled with chippings 2/8
- 6 Separation layer: Quality fleece PP 150 g/m², GRK 3
- 7 Insulation: Thermal insulation, pressure-resistant
- 8 Sliding layer: Construction foil PE-LD 0.2 mm (Inverted roof two layers, warm roof one layer)
- 9 Supporting structure including waterproofing
- 10 Separation, sliding and protection layer: TGL 550, GRK 5

**Recommendation of a system for car-accessible inverted and warm roofs
(SWL 30 = axle weight rating 10 to or vehicles with a total weight of 30 to)**

Drainage Board WE 25/15 UG for Car-Accessible Roofs

The drainage board WE 25/15 UG is made of high impact polystyrene. With an overfill WE 25/15 UG shows a crush resistance of 480 kN/m². Due to this fact WE 25/15 UG is also suitable for installation on car-accessible roofs.

The three-level drainage system with integrated branch drains cares for a high drainage capacity under the build-up.

Application

- With infill as drainage board under flagging
- With an appropriate overfill also applicable as drainage under vehicle-accessible areas
- Also applicable for inverted roofs
- Suitable for roofs with a pitch of $\geq 0^\circ$



Data Sheet

Subject	Unit	Tolerance	WE 25/15 UG
Raw material	---	---	Recycling-Polystyrene (high impact)
Weight	gr/m ²	± 100	1360
Colour	---	---	black
Height	mm	± 3	25
Crush resistance unfilled (EN ISO 25619-2)	kN/m ²	$\pm 20\%$	335
Crush resistance with infill on 2 mm compression (EN ISO 25619-2)	kN/m ²	$\pm 10\%$	397
Crush resistance overfilled with 20 mm of chippings (EN ISO 25619-2)	kN/m ²	$\pm 10\%$	480
Filling volume	l/m ²	± 0.8	13
Water storage capacity (without infill)	l/m ²	± 0.8	0
Drainage capacity on 20 kPa load (EN ISO 12958)			
on 1 % incline	l/m·s	$\pm 10 \%$	0.35
on 2 % incline	l/m·s	$\pm 10 \%$	0.42
Overlap	%	---	2
Storage	protected against UV radiation; has to be covered within 24 hours after installation		

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Subject	Unit	Tolerance	WE 25/15 UG
Length	m	± 0.01	1.995
Width	m	± 0.01	1.003
m ² /board	m ²	± 0.03	2.000
Weight/board	kg	± 0.2	2.720

* all values are average results; technical changes remain reserving.

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