

6 fürs GRÜN

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

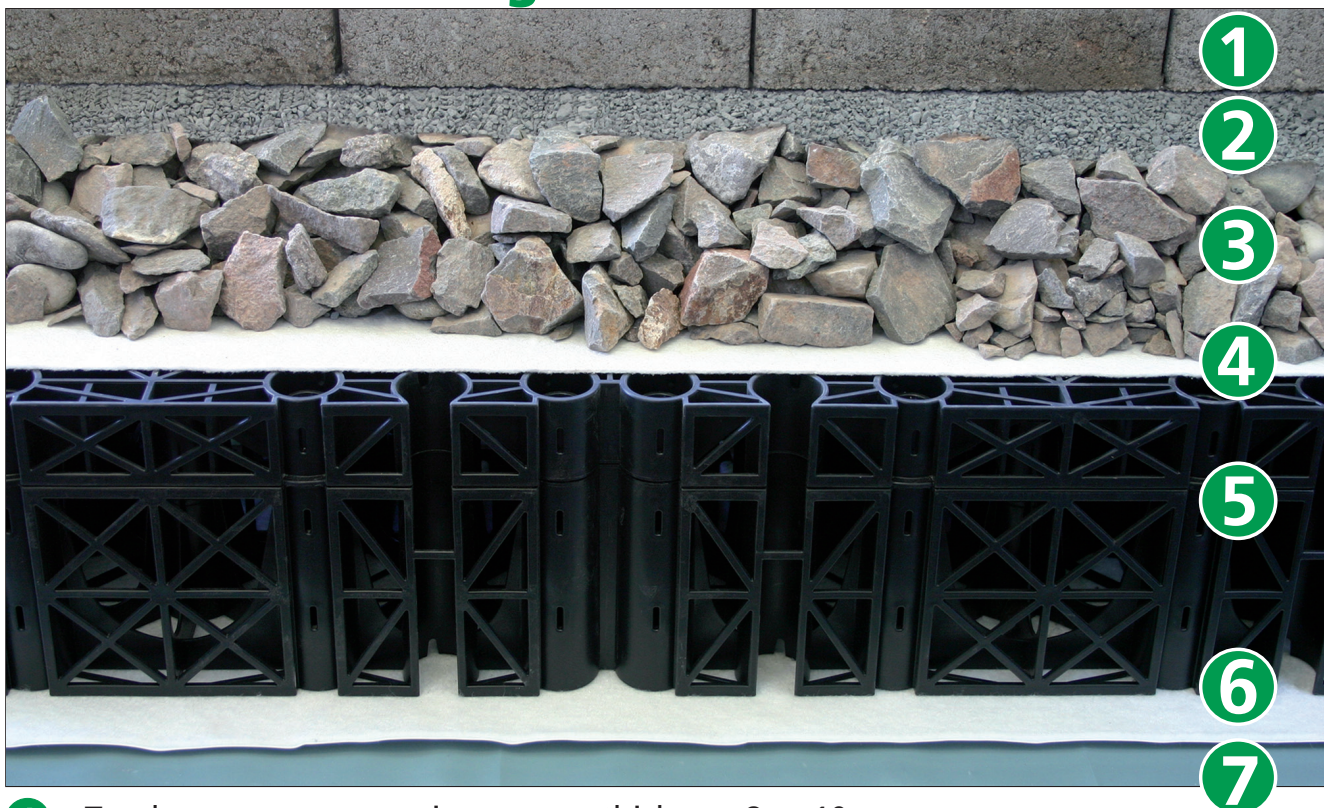
Layer Composition

System	Height	Weight	Water Retention
RE 80	28 - 37 cm*	438 - 613 kg/m ² *	74 l/m ²
RE 150	35 - 44 cm*	506 - 681 kg/m ² *	138 l/m ²

*depending on utilisation

Our Green Roof System

RE 80 - The Sustainable Solution and RE 150 - Die Strong Solution



- 1 Top layer: concrete paving stones, thickness 8 to 10 cm
- 2 Bedding: chippings 0/5, application height 3 to 5 cm
- 3 Base layer: crushed stones 0/32 or 0/45, application height 10 to 15 cm
- 4 Filter layer: quality fleece PP 350 g/m², GRK 5
- 5 Water storage: retention-element RE 80* / RE 150 (*not shown)
- 6 Protection, separation and sliding layer: TGL 550, GRK 5
- 7 Sliding layer: construction foil PE-LD 0.2 mm

The systems RE 80 – The Sustainable Solution and RE 150 – The Strong Solution are in combination with a dam-up element suitable for retention of excess water on green roofs or under accessible roofs. The large water storage capacity of the RE 80 and RE 150 retention elements relieves effectively the public sewerage system.

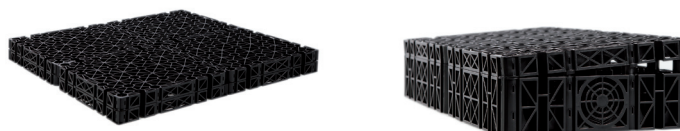
For the sustainable handling of run-off rainwater: RE 80 and RE 150 – two strong systems – they bear high load-capacities, store big quantities of water and relieve effectively the public sewerage system.

Retention-Elements RE 80 and RE 150

The retention-elements RE 80 and RE 150 are made of recycling polypropylene. Combined with a dam-up element they can be used for retention of precipitation on green roofs. Due to their high pressure-resistance of more than 1000 kN/m² RE 80 and RE 150 are also perfectly suitable for installation on subterranean garages and on car-accessible areas of green roofs.

Application

- Retention-element for green roofs
- For intensive green roofs with a pitch $\geq 0^\circ$
- Under walkable areas
- Under vehicle-accessible areas



Technical Data

Subject	Unit	RE 80	RE 150
Raw material	---	Recycling-Polypropylene	
Colour	---	black	
Height of base-element	mm	40	110
Height of top-element	mm	40	40
Pressure-resistance	kN/m ²	>1000	>1000
Retention-volume	l/m ²	Up to 74	Up to 138
Retention-volume	%	92	92

Dimensions

Subject	Unit	RE 80	RE 150
Length	mm	800	800
Width	mm	400	400
Height (Base-and top-element)	mm	80	150
m ² / element	m ²	0.32	0.32
Weight / element (Base-and top-element)	kg	2.40	3.90

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

*10/2023