6 fürs GRÜN

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

Layer Composition

Height	Weight	Water Retention
29 cm	444 - 507 kg/m²*	174 - 184 l/m²*

* depending on substrate utilised

Our Green Roof System

RE 80 – The Sustainable Solution

1. Plants: trees, bushes, perennials, grass
2. Growing medium: Intensive substrate Hydrotop-I, application height at least 20 cm
3. Filter layer: quality fleece PP 150 g/m², GRK 3
4. Water storage: retention element RE 80
5. Protection layer: standard fleece PP/PES 800 g/m²

The system RE 80 – The Sustainable Solution is in combination with a dam-up element suitable for a sustainable retention of excess water on roofs. In case of heavy rainfall the big storage volume of RE 80 cares for an efficient relief of the sewerage system. The retained water can be stored for a long supply of trees, bushes, perennials and grass on an intensive green roof.

The high compression strength of RE 80 – The Sustainable Solution - makes it also applicable on walkable or car accessible roofs.

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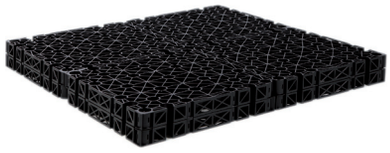
Retention-Element RE 80

The retention-element RE 80 is made of recycling polypropylene. Combined with a dam-up element it can be used for the retention of precipitation on green roofs. Due to its high pressure-resistance of more than 1000 kN/m² RE 80 is 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 of 0°



Technical Data

Subject	Unit	RE 80
Raw material	---	recycling polypropylene
Height of base-element	mm	40
Height of top-element	mm	40
Colour	---	black
Pressure-resistance	kN/m²	>1000
Retention-volume	l/m²	Up to 74
Retention-volume	%	92

Dimensions

Subject	Unit	RE 80
Length	mm	800
Width	mm	400
Height (Base- and top-element)	mm	80
m² / element	m²	0.32
Weight / element (Base- and top-element)	kg	2.4

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

*07/2020

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