



Data sheets

Contec.drain WRB



Table of contents

Data sheet Contec.drain WRB 80F	3
Data sheet Contec.drain WRB 85i	4
Data sheet Contec.drain WRB 85	5 - 6
Data sheet Contec.drain WRB 95	7 - 8
Data sheet Contec.drain WRB 170	9 - 10

Data sheet

Contec.drain WRB 80F



Material properties

This lightweight and multifunctional drainage and retention sheet is suitable for extensive and simple intensive green roofs. It has an integrated permanent water storage of 3 or 6 l/m².

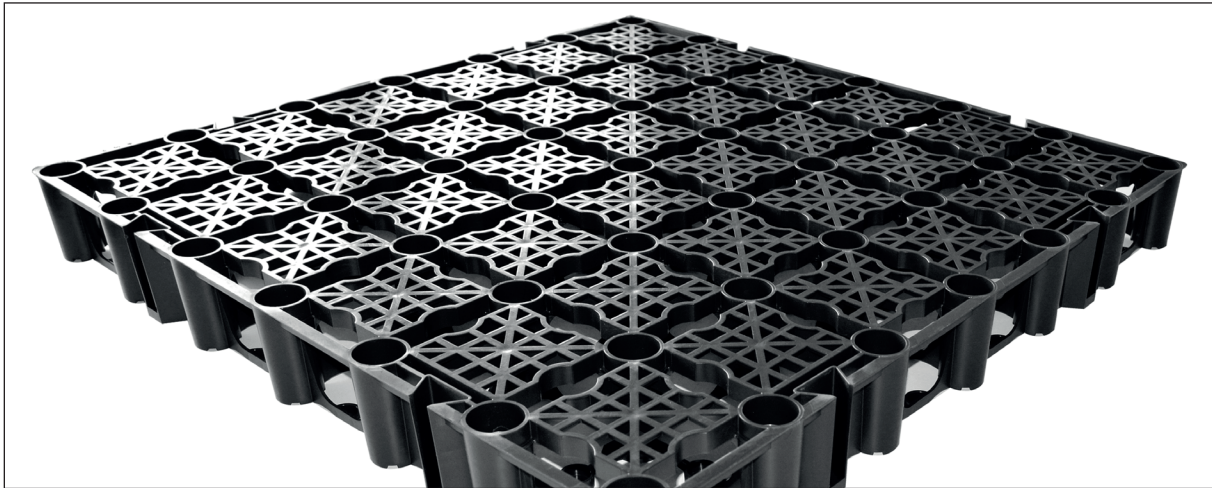
The Contec.drain Optigrün WRB 80F in combination with the Contec.drain Optigrün restrictor offers a large void volume for a temporary water storage.

Technical data *(die Werte beziehen sich auf den zusammengeklappten Zustand)*

Material	HDPE recycled reclaim
Nominal thickness	Approx. 80 mm
Basis weight	Approx. 3.6 kg/m ²
Dimension/cover size	1'964 x 550 mm = 1.08 m ²
Dimension/opened	Approx. 1'100 x 1'964 x 40 mm
Color	Schwarz
Water drainage capacity	Approx. 2.5 l/sec at 0° DN
Compressive strength (DIN ISO 25619-2)	Approx. 100 kN/m ²
Usable accumulation volume	Approx. 90.0 Vol. %
Retention volume	Up to 72 l/m ²

Data sheet

Contec.drain WRB 85i



Material properties

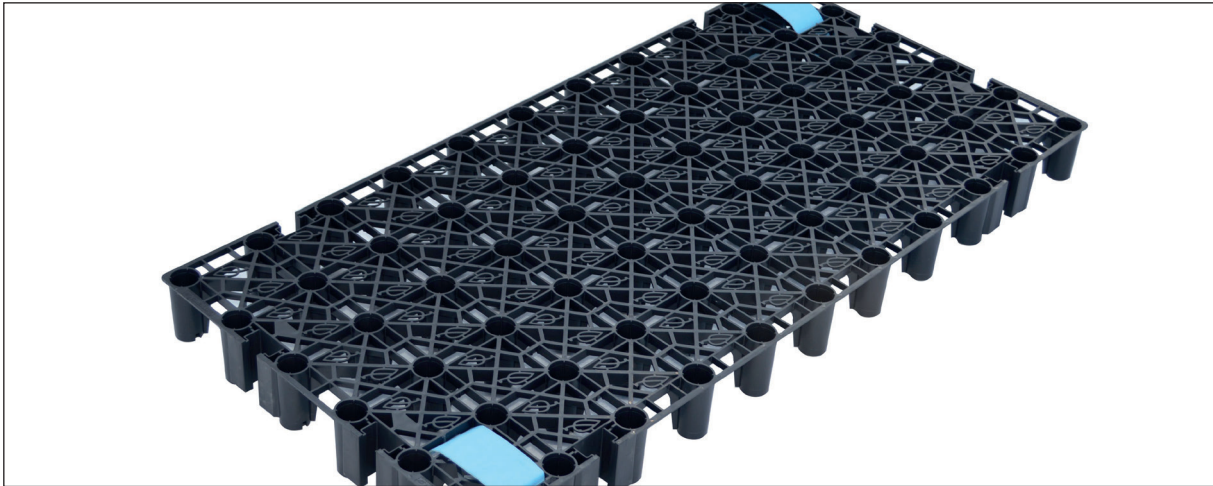
The Contec.drain Optigrün WRB 85i is used as a surface drainage system with a high water retention for 0° roof pitch. It consists of a PP-regenerated infiltration element and can be combined with the patented and can be combined with the patented drainage throttle, which leads to a targeted regulation of the water runoff.

Technical data

Material	Recycled PP regrind (polypropylene)
Nominal thickness	Approx. 85 mm
Basis weight	Approx. 5.6 kg/m ²
Weight/element	Approx. 2.8 kg/pc.
Dimension/Element	Approx. 710 x 710 x 85 mm
Area/Element	Approx. 0.5 m ²
Color	Black
Compressive strength (DIN ISO 25619-2)	Approx. 825 kN/m ² at approx. 10 % compression
Usable accumulation volume	Approx. 95.0 Vol. %
Retention volume	Up to 80 l/m ²

Data sheet

Contec.drain WRB 85



Material properties

The Contec.drain Optigrün WRB 85 has a high temporary and, if necessary, permanent retention volume. For targeted regulation of water runoff and / or water accumulation, the Contec.drain Optigrün WRB 85 can be combined with the patented drainage throttle.

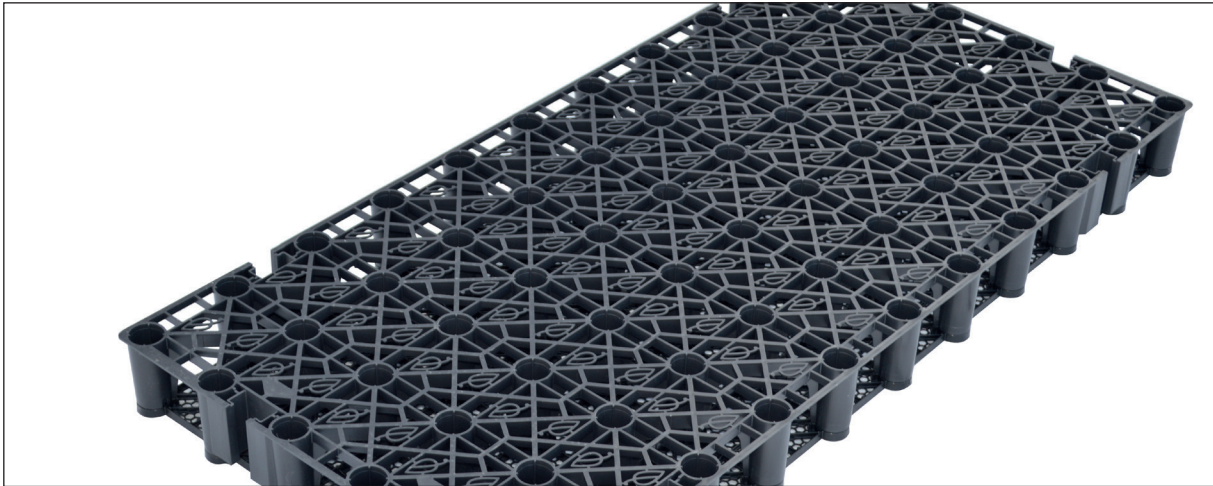
Technical data

Material	Recycled PP regrind (polypropylene)
Nominal thickness	Approx. 85 mm
Basis weight	Approx. 5.7 kg/m ²
Dimension/Element	Approx. 1190 x 590 mm
Area/Element	Approx. 0.702 m ²
Color	Black
Compressive strength (DIN ISO 25619-2)	800 kN/m ² at approx. 10 % compression
Usable accumulation volume	Approx. 95.0 Vol. %
Retention volume	Up to 80 l/m ²
Water drainage capacity (DIN EN ISO 12958)	i = 0.00 (0 % slope): 2.80 l/(m*s) i = 0.01 (1 % slope): 6.07 l/(m*s) i = 0.02 (2 % slope): 8.63 l/(m*s) i = 0.03 (3 % slope): 10.30 l/(m*s)

Standard accessories	<ul style="list-style-type: none"> • Capillary bridges (Art.-No.: 31808) • Connector for creating a stable bond between the water retention boxes (Art.-No.: 31807) • Discharge throttle for regulated water discharge and / or water accumulation
Quantity/delivery unit	One-way pallet with 48 individual elements approx. 33.696 m ² /pallet
Delivery weight	Approx. 220 kg/one way pallet
Note	<ul style="list-style-type: none"> • For temporary and / or permanent storage of rainwater with regulated water discharge through a drainage throttle. • With capillary bridges for the transport of stored rainwater from the from the drainage level into the substrate layer and to increase the evaporation performance (accessories) • High compressive strength • With free-flowing structure for rapid distribution of the Rainwater within the retention area • Suitable for inverted roofs (when used on inverted insulation, permanent water no permanent water accumulation possible) • Has a European Technical Assessment (ETA-13/0557) as a component of the Optigrün system solutions

Data sheet

Contec.drain WRB 95



Material properties

The Contec.drain WRB 95 is a water retention box made of PP recycled reclaimed material. It has a high temporary and, if necessary, permanent retention volume in combination with an outlet throttle for the targeted regulation of water runoff and/or water accumulation.

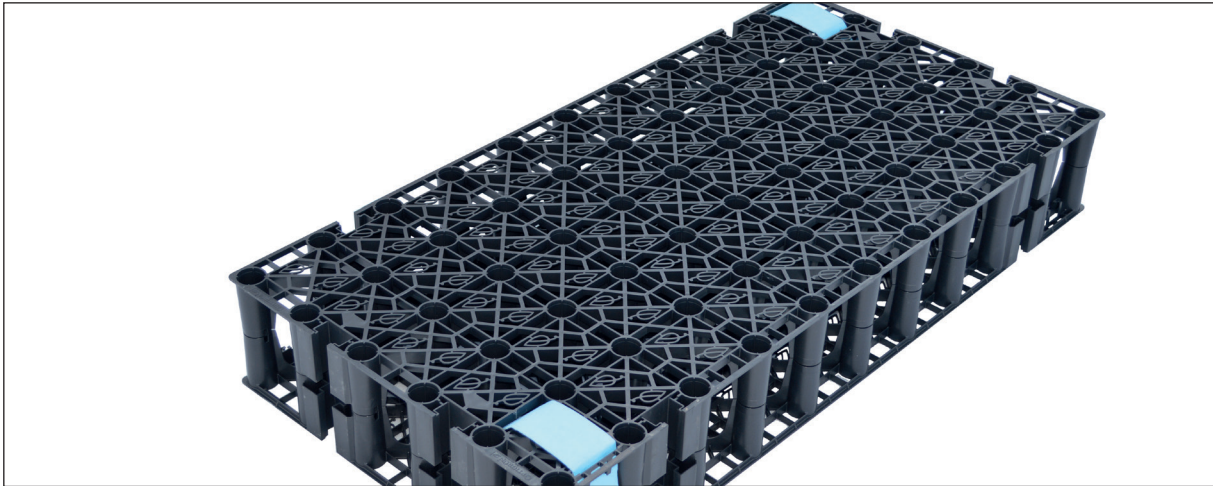
Technical data

Material	Recycled PP regrind (polypropylene)
Nominal thickness	Approx. 95 mm
Basis weight	Approx. 8.0 kg/m ²
Dimension/Element	Approx. 1190 x 590 mm
Area/Element	Approx. 0.702 m ²
Color	Black
Number of elements per m²	1.5 piece
Compressive strength (DIN ISO 25619-2)	800 kN/m ² at approx. 10 % compression
Usable accumulation volume	Approx. 95.0 Vol. %
Retention volume	Up to 90 l/m ²

Standard accessories	<ul style="list-style-type: none"> • Connector for creating a stable bond between the water retention boxes (Art.-No.: 31807) • Drainage throttle for regulated water drainage and/or water accumulation
Quantity/delivery unit	<p>0.702 m² element = 1190 x 590 mm 29.484 m²/42 elements/disposable pallet Einwegpalette 1.2 x 1.2 x 2.2 m</p>
Delivery weight	<p>Approx. 6.19 kg/single element Approx. 260.0 kg/pallet/individual elements</p>
Note	<ul style="list-style-type: none"> • Base plate with load distributing structure • For temporary and/or permanent storage of rainwater With regulated water discharge through a throttle system • High compressive strength • With free-flowing structure for rapid distribution of the Rainwater within the retention area • Suitable for inverted roofs (no permanent water accumulation possible when used on permanent water accumulation possible)

Data sheet

Contec.drain WRB 170



Material properties

The Contec.drain WRB 170 is made of PP recycled reclaimed material. With high temporary and, if necessary, permanent retention volume in combination with an outlet throttle for targeted regulation of water runoff and/or water accumulation.

Technical data

Material	Recycled PP regrind (polypropylene)
Nominal thickness	Approx. 170 mm
Basis weight	Approx. 11.4 kg/m ²
Dimension/Element	Approx. 1190 x 590 mm
Area/Element	Approx. 0.702 m ²
Color	Black
Number of elements per m²	1.5 pice
Compressive strength (DIN ISO 25619-2)	800 kN/m ² at approx. 10 % compression
Usable accumulation volume	Approx. 95.0 Vol. %
Retention volume	Up to 161 l/m ²

Standardzubehör Standard accessories	<ul style="list-style-type: none"> • Connector for creating a stable bond between the water retention boxes (Art.-No.: 31807) • Drainage throttle for regulated water drainage and/or water accumulation
Quantity/delivery unit	<p>0.702 m² element = 1190 x 590 mm 16.848 m²/24 elements/disposable pallet One way pallet 1.2 x 1.2 x 2.2 m</p>
Delivery weight	<p>Approx. 9.17 kg/single element Approx. 220.0 kg/pallet/individual elements</p>
Note	<ul style="list-style-type: none"> • With closed, load-distributing structure • For temporary and/or permanent storage of Rainwater with regulated water discharge through a throttle system • With capillary bridges for the transport of stored rainwater from the the drainage level into the substrate layer and to increase the evaporation performance • High compressive strength • With free-flowing structure for rapid distribution of rainwater within the Rainwater within the retention area • Suitable for inverted roofs (when used on inverted insulation, permanent water no permanent water accumulation possible)

