

PERMAVOID 85S

Permavoid 85S is a strong lightweight hollow subbase system, able to support sports, landscaped and paved surfaces on rooftops, podium decks and in green infrastructure at ground level. In combination with the Permavoid Capillary Cylinders

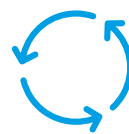
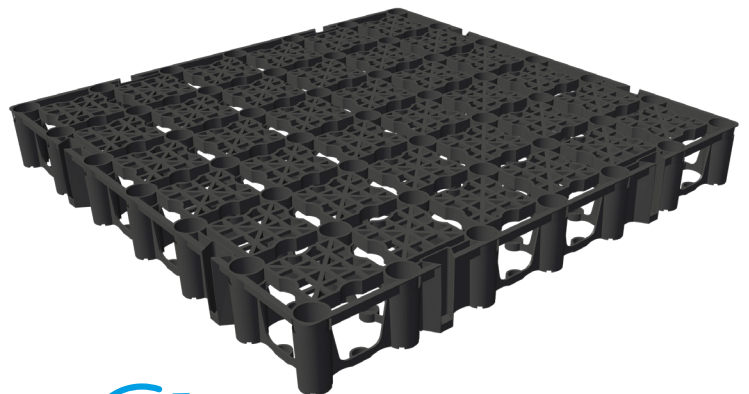
the system can be used in water sensitive urban design, enabling stormwater attenuation, retention, infiltration, conveyance and natural capillary (plant) irrigation without the use of energy, pumps or in-building water storage tanks.

Applications

- Blue-Green roofs
- Podium Decks
- Sports
- Equestrian
- Urban Trees
- Bicycle paths
- Landscaped SUDS and lightweight rigid subbase replacement

GENERAL

Brand	Permavoid
Product name	Permavoid 85s
Item nr.	3530002 (no capillary cones), 3530003 (12 capillary cones a panel), 3530004 (24 capillary cones a panel)
Color	Black
Material	Polypropene (CoPo)
Material description	Frost and resistant, hydrofoob, inert, acid and hydrocarbon resistant, impervious to bacterial and fungal growth
Recycled/Virgin	Recycled
Lifespan	> 50 years



For capillary irrigation PDS-3B will be added.

PERMAVOID 85S

SIZE

Size	710 x 710 x 85 mm (L x w x h), approx. 0,5 m ² , +/- 1%
Weight	approx. 3 kg
Color	Black
Coefficient of Linear Thermal Expansion	0,0004 - 0,0008 m/m K
Volumetric void ratio	> 93%
Perforated surface ratio	> 65%
Compressive strength (safe design strength)	600 kN/m ²
Short-term vertical deflection	n.a.
Necessary ancillaries (included)	Permaties: each side of the unit is tied to the next unit with 2 conical PermaTies to create a stable raft. Removable, reusable.
Optional Ancillaries	Capillary Cylinders (3520001) PermaLock (3510005)

PACKAGING

Packaging	Prefab panels with 6 units in a 2 x 3 configuration, with PermaTies factory installed. 2.130 x 1.420 x 85 mm (L x w x h), 3 m ²
Pallet size	2.130 x 1.420 x 1.150 mm (L x w x h)
Pallet capacity	12 panels x 6 units, 72 units, 36m ²
Pallet total weight	240 kg
Storage instruction	Prevent exposure to direct sunlight during long term storage
HS Code	39269097

Notes

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Data Sheet: PDS-3A
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Permavoid Head Office

Kattenburgerstraat 5

1018 JA | Amsterdam | The Netherlands
www.permavoid.com | info@permavoid.co.uk

Permavoid Ltd. is part of the Polypipe Group.