

PERMAVOID 85

Permavoid 85 is a modular interlocking polypropene geocellular unit. It is designed as a high strength, lightweight and shallow subbase replacement system. The system is characterized by its exceptionally high compressive strength and bending resistance. The units are connected with PermaTies to create a rigid horizontal structural

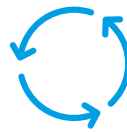
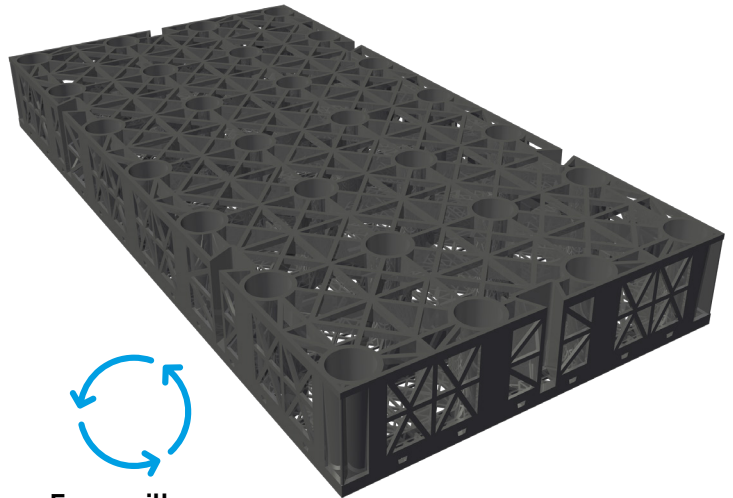
'raft', ideal for multifunctional subbase applications. In combination with the Permavoid Capillary Cylinders the system can be used in water sensitive urban design, enabling stormwater attenuation, conveyance and natural capillary plant irrigation without the use of energy, pumps or in-building water storage tanks.

Applications

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

GENERAL

Brand	Permavoid
Product name	Permavoid 85
Item nr.	3550004
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 material
Lifespan	> 50 years



For capillary irrigation PDS-2B will be added.

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SIZE

Size	708 x 354 x 85 mm (l x b x h), approx. 0,25 m ² , +/- 1%
Weight	approx. 2,25 kg
Color	Black
Coefficient of Linear Thermal Expansion	0,0004 - 0,0008 m/m K
Volumetric void ratio	> 92%
Perforated surface ratio	> 52%
Compressive strength (safe design strength)	715 kN/m ²
Short-term vertical deflection	126 kN/m ² /mm
Necessary ancillaries (included)	Permaties: each unit is tied to the next with 6 conical PermaTies to create a stable raft. Removable, reusable.
Optional Ancillaries	Capillary Irrigation Cylinders (3520002 and 3520003 form one complete cylinder)

PACKAGING

Packaging	Single units on pallet, foil wrapped
Pallet size	1.200 x 1.100 x 2.300 mm (l x w x h)
Pallet capacity	117 pieces, 29,25 m ²
Pallet total weight	262 kg
Storage instruction	Prevent exposure to direct sunlight during long term storage
HS Code	39269097

Notes

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Data Sheet: PDS-2A
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Permavoid Ltd. is part of the Polypipe Group.