

# FORMAVOID 100

PRODUCT INFORMATION - F1001



- 1 Carbon Zero Recycled PP
- 2 Perforations for Water & Air Flow
- 3 Catenary Ribs for Shape Retention
- 4 Integrated Clipping Mechanism
- 5 60% Void Space Beneath Arches

Formavoid is a plastic void former that encourages fill material into an extremely strong series of columns and arches, leaving open void space beneath the arches for source control water management & storage. When filled with aggregates, ranging in particle sizes from 1mm – 40mm, Formavoid combines with the aggregate to create a granular base with enhanced stability and water storage capacity. Formavoid can be filled with 30% void type 3 aggregate for subbase attenuation applications; or soil can be used as fill material for green infrastructure applications.



## APPLICATIONS

- Source Control Stormwater Management
- Shallow Attenuation, Conveyance & Infiltration
- Open Graded Subbase Attenuation
- Water Managed Sports Facilities
- Blue/Green Roofs & Podiums
- Rainwater Harvesting & Recycling

## KEY BENEFITS

- Nest stacking
- Vertical strength >120tons/m<sup>2</sup>
- Reduced construction depths
- Enhanced granular subbase storage capacity
- Improved base stability
- Better permeability/flow through aggregate
- Reduced carbon footprint

## GENERAL

Product Code	F1001
Colour	Black
Material	Carbon Neutral Recycled Polypropylene
Lifespan	>50 Years
Fill Material Examples	DOT Type 1, Type 2 & Type 3 Aggregates (SHW 803 -805). Uniformly Graded Aggregate (2mm-20mm) Concrete (permeable or impermeable) Coarse Sand Soil

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## PHYSICAL

Unit Dimensions	577mm (L) x 577mm (W) x 100mm (D) 3 units per m <sup>2</sup>
Arch Type	Catenary
Unit Weight	1.5kg
Void Ratio	70% When columns are filled with 30% void aggregate
Vertical Compressive Strength	>1,200kN/m <sup>2</sup> When filled with 30% void aggregate with minimum 150mm cover



## PACKAGING

Pallet Size	1.2m (L) x 1.2m (W) x 1.3m (H)
Pallet Weight	225kg
Packaging	Recyclable banding
Pallet Capacity	132nr / 44m <sup>2</sup>
Pallet Space Capacity (Double Stack)	264nr / 88m <sup>2</sup>
Storage Guidance	Suitable to be stacked - maximum 4nr pallets high. Prevent direct exposure to sunlight during long periods of storage.

## NOTES

- Formation shall be prepared to minimum 5% CBR. Special attention required for <5% CBR.
- Formatextile (F2001) must be installed beneath Formavoid to spread load.
- Formavoid to be installed with correct manual handling technique.
- Avoid trafficking unfilled Formavoid.
- Utilise lightweight plant and machinery when filling Formavoid and avoid high torsion movements.



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