

# FORMA VOID 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

# FORMA VOID 100

PRODUCT INFORMATION – F1001



## 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.



Last Revised January 2025

Water Products Ltd will not be held liable if our products are used in a manner inconsistent with our requirements, standards or the purposes indicated in the standards. This document does not give nor imply warranty for the intended use. This document may be modified without prior notice.