

PRODUCT INFORMATION FMVD01001 - Formavoid 100



Formavoid is a plastic void former that encourages fill material into an extremely strong series of columns and catenary arches. Formavoid can be filled with various materials ranging in particle sizes from 1mm - 40mm. Different fills can be used for various characteristics & applications. For example, 30% void type 3 aggregate is optimal when utilising formavoid in a subbase attenuation applications; or soil can be used as fill material for green infrastructure applications.

APPLICATIONS

- Water Attenuation, Conveyance &
- Rainwater Harvesting & Recycling
- Subbase Displacement
- Blue/Green Roofs & Podiums
- Sports Facilities
- Urban Overlays

KEY BENEFITS

- Vertical strength >120tons/m²
- Lightweight, shallow & modular
- High water storage capacity
- Nest stacking to achieve 80m² product per
- pallet space Fast installation with integrated clips
- Fill material displacement to reduce imported fill quantities & carbon footprint.

GENERAL			
Product Code	FMVD01001		
Colour	Black		
Material	Recycled Polypropylene		
Lifespan	>50 Years		
Fill Material Examples	DOT Type 1, Type 2 & Type 3 Aggregates (SHW 803 -805). Uniformly Graded Aggregate (2m-20mm) Concrete (permeable or impermeable) Coarse Sand Soil		







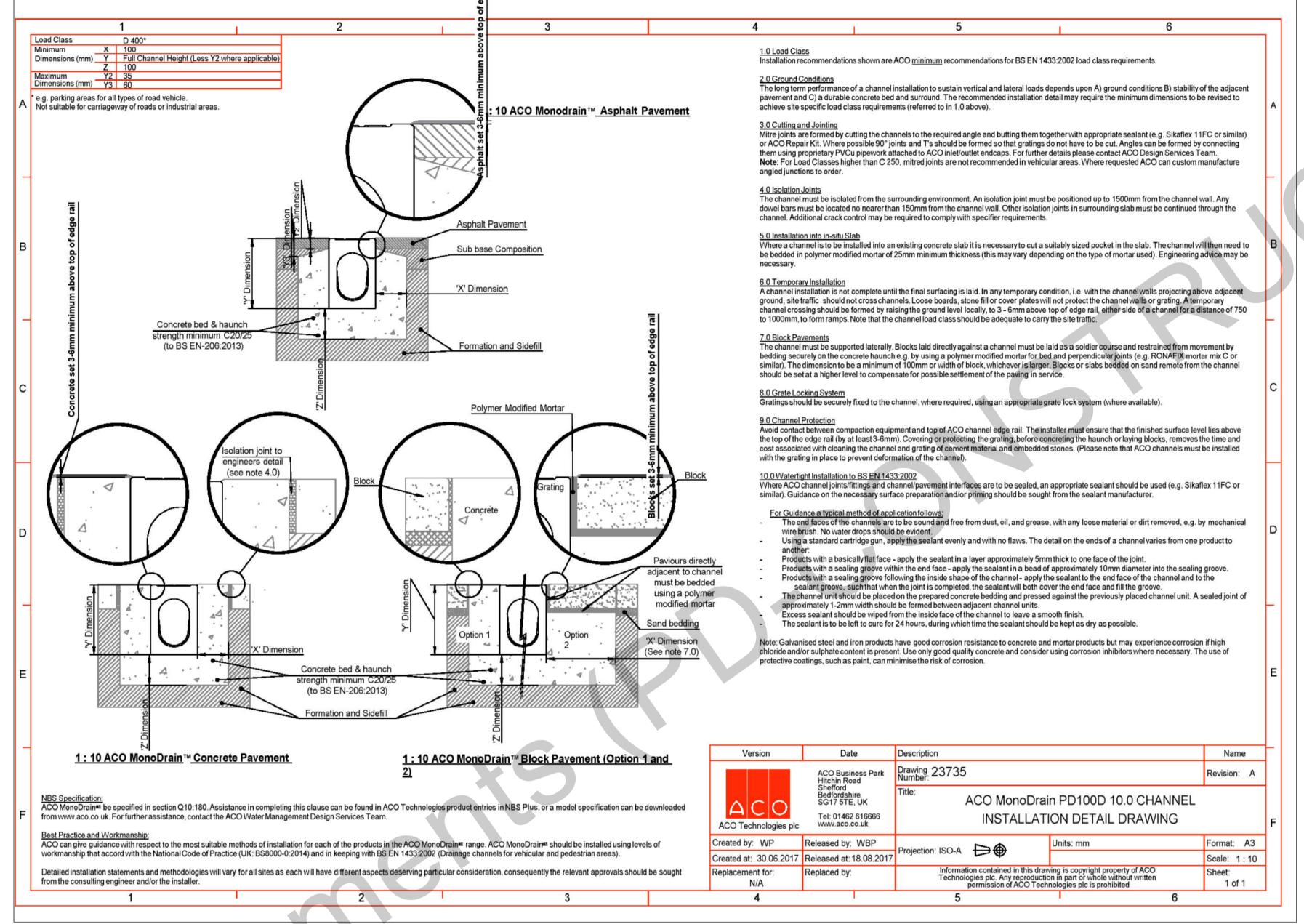


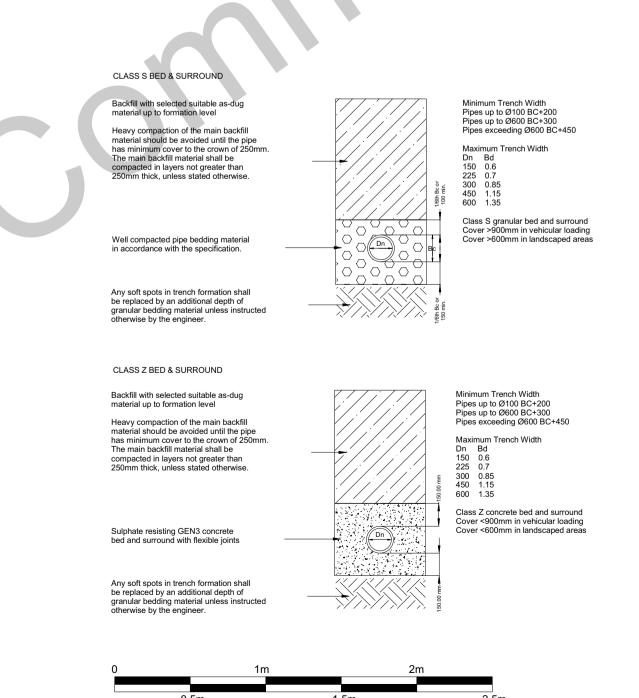


PHYSICAL		
Unit Dimensions	577mm (L) x 577mm (W) x 100mm (D) 3 units per m ²	
Unit Weight	1.5kg	
Void Ratio	75% When filled with 30% void aggregate with 50mm cover	
Vertical Compressive Strength	>1,200kN/m² When filled with 30% void aggregate with 150mm cover	

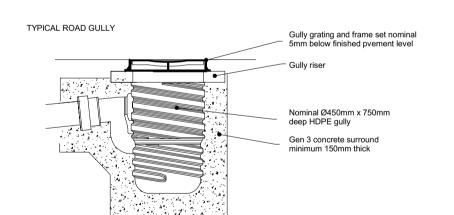
PACKAGING					
Pallet Size	1.2m (L) x 1.2m (W) x 1.2m (H)				
Pallet Weight	195kg				
Packaging	Rigid Card Corners & Shrink Wrap				
Pallet Capacity	120nr / 40m²				
Storage Guidance		Suitable to be stacked - maximum 4nr pallets high. Where possible prevent direct exposure to sunlight during long periods of storage.			

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Bedding Details Pipe Bedding Requirement Size of Aggregate mm Nominal Pipe Size Dn 10 or 14 nominal single size or 150 225-525 10, 14 or 20 nominal size or 14 to 5 graded or 20 to 5 graded >525 10, 14,20 or 40 nominal single crushed rock or



NOTES

This drawing is to be read in conjunction with all relevant Engineers and Architects drawings.

For setting out refer to Architects drawings.

All dimensions are in millimetres and levels are in metres unless noted otherwise.

Contractor to take all relevant dimensions on site.

Any discrepancies to be advised to the Engineer.

Contractor to check/scan for services prior to construction to avoid any damage during

excavation works.

works.

Any information given on this drawing regarding existing services is believed to be

The contractor must check this information and determine the nature and location of other existing services from the various statutory authorities before commencing

Drainage works to be constructed in accordance with BS EN 752 and Approved Document H.

All soft spots and unacceptable material encountered in drainage excavations is to be removed and replaced with granular material to the requirements of the building control

Pipes to be installed to manufacturers recommendations.

Pipes under buildings to be laid to a fall of 1:40 minimum unless noted otherwise.

Plastic plain wall pipes to be PVC-U to BS EN 1401-1, class SN4, with flexible joints. Kitemark certified. Structured wall plastic pipes to be to WIS 04-35-01, Kitemark certified

Clay pipes to be vitrified clay to BS EN 295-1, with flexible joints, Kitemark certified. Clayware pipes must be extra strength classification protected in accordance with the specified details.

Bedding of pipes to be in accordance with approved document H1.

Rocker pipes with flexible joints are to be provided at a distance of 150mm and 750mm from the face of construction to manholes, where pipes pass above, below or through ground beams or foundations; at gully connections and soil stack ends.

Manhole access covers are to be located at the outgoing side of manholes.

Cover levels are to be fixed on site to suit finished levels. Covers and frames to BS EN124, Grade D to be used in areas subject to heavy vehicular loading, Grade C in areas subject to light vehicular loading and Grade B to be used elsewhere.

REV.	DESCRIPTION	DATE	DRW.	CHK.
P01	First issue	16/05/22	MG	JS
C01	Channel drain updated, generic details removed	18/10/22	MG	JS

Manchester University NHS Foundation Trus



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PROJECT

North Manchester General Hospital

MSCP SW Drainage Details

	STATUS	PURP				
	S4	For Construction				
	DRAWN BY		CHECKED BY		DATE	
	MG		JS		16/05/2022	
	SCALE (@A1) NTS			PROJECT NUMBER 20200 MSCP		
	FILE DRAWING NUMBER			REV.		

| FILE DRAWING NUMBER C01 20200-SEL-NM110-EX-DR-Y-0011