

TECHNICAL DATA SHEET



KAYAPP

Product Name **FbDrain[®]**
 Reference No DS DRNG 0807-02/2018
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 Description Geocomposite fin drain

FILTER JACKET			bidim [®] A2*	
Thickness	Thickness under 2kPa	mm	1.4	SANS 9863-1:13 ISO 9863-1:05
Normal Throughflow	@50mm head	ℓ/s/m ²	150	SANS 11058:13 ISO 11058:10
Permeability	1.0 x 10 ⁻³	m/s	4.2	SANS 11058:13 ISO 11058:10
Permittivity		s ⁻¹	3.0	Calc
Penetration Load	CBR	kN	1.9	SANS 12236:13 ISO 12236:06
Porosity	Under 2kPa	%	93	Geo Lab
Pore Size	O _{95w}	µm	170	SANS 12956:13 ISO 12956:10

*other heavier grades of bidim[®] may be used, depending on site conditions

DRAINAGE CORE			Flownet [™] 500 HP	
Overall Thickness	@ 2 kPa	mm	4.0	SANS 9863-1:13 ISO 9863-1:05
Mass	Per unit area	g/m ²	500	SANS 9864:13 ISO 9864:05
Tensile Strength	MD/AD	kN/m	5.0/5.0	SANS 1525:13 ISO 10319:08
Mesh Angle	± 5°	°	55	
Constituent Polymer			HDPE F 7650	
Vicat Softening Point	(50N)	°C	70	ISO 306
Maximum Service Temperature		°C	85	
Environmental Stress-Crack Resistance		Hours	>1000	ASTM D1693

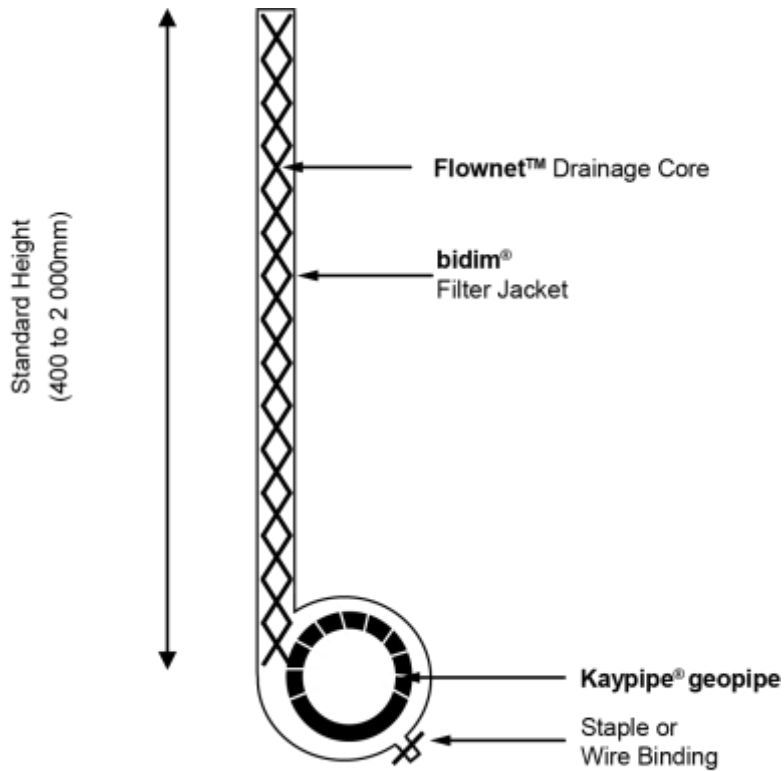
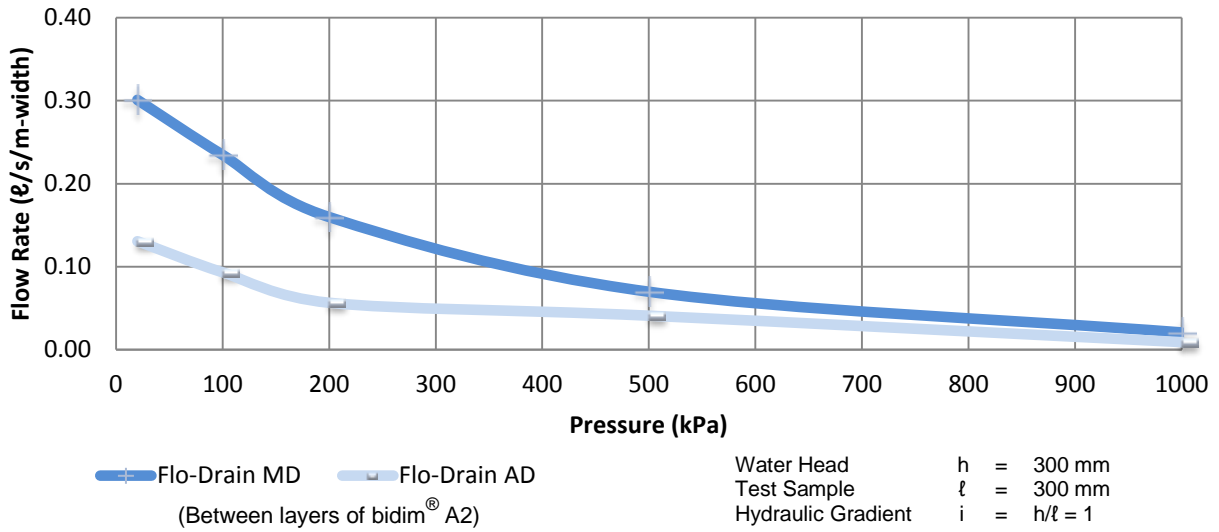
Kaypipe [®] geopipe Sizes		
	ID (mm)	OD (mm)
M150	150	160
M100	100	110
M65	65	75

Standard length – 6m

The above results represent laboratory averages
 Kaytech reserves the right to make technical modifications to its products

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Transmissivity - ISO 12958



Cross Section of FloDrain® with Kaypipe®geopipe

For pre-manufactured **Flo-Drain**® of standard heights 400 to 2 000 mm the **Flownet**™ drainage core is orientated in the across direction (AD).

Flo-Drain® assembled on site e.g. on slopes or behind walls, may utilise the full width of 2.0 m and thus orientate the Flownet in the higher flow rate machine direction (MD).

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