

## TECHNICAL DATA SHEET

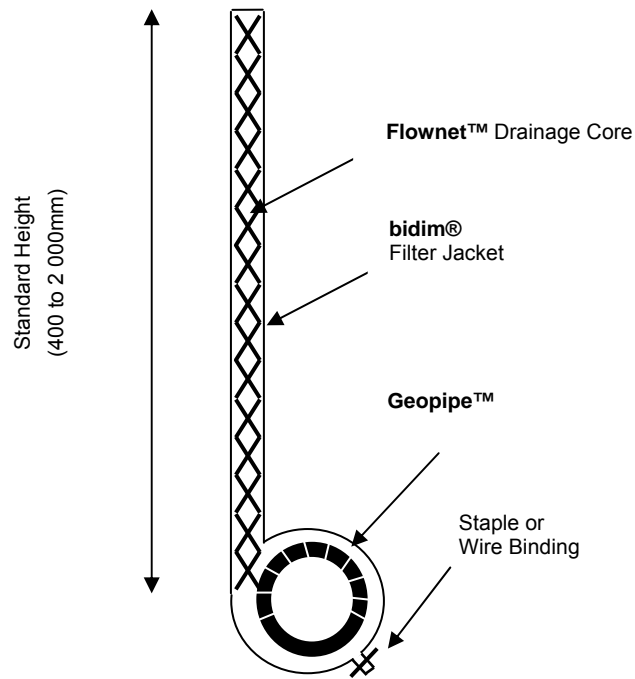
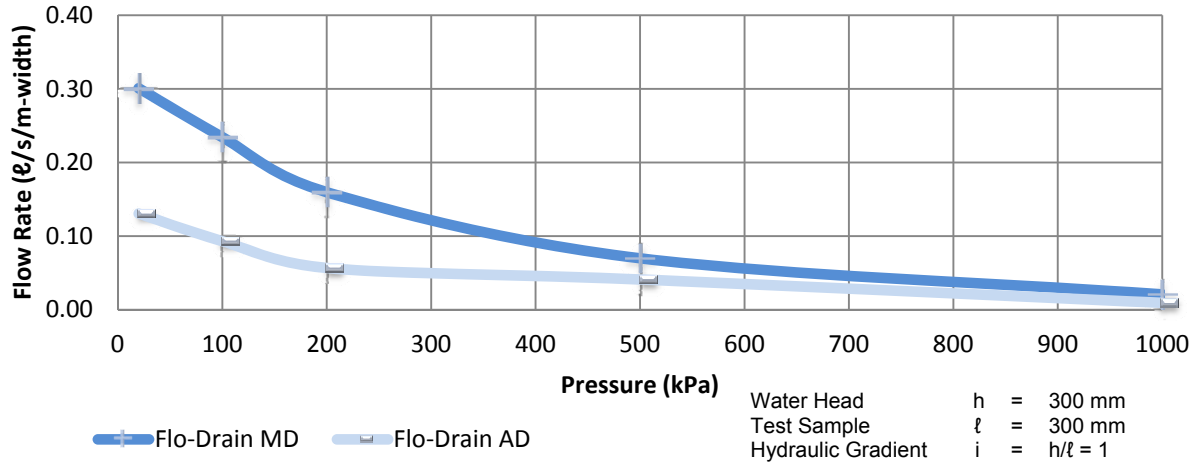
Product Name **FbDrain™**  
Reference No: DS DRNG 0437-10/2012 Rev1  
Date of Issue 27 November 2012  
Description Geocomposite fin drain

FILTER JACKET			bidim® A2	
Thickness	Thickness under 2kPa	mm	1.6	SANS 10221-2007
Throughflow	@100mm head	l/s/m <sup>2</sup>	265	SANS 10221-2007
Permittivity	@100mm head	s <sup>-1</sup>	2.6	Calc
Permeability	1.0 x 10 <sup>-3</sup>	m/s	4.2	SANS 10221-2007
Penetration Load	CBR	kN	1.8	SANS 10221-2007
Porosity	Under 2kPa	%	93	Geo Lab
Pore Size	O <sub>95 W</sub>	µm	170	EN 12956
	O <sub>95 H</sub>	µm	185	NF. G 38017

DRAINAGE CORE			Flownet 500	
Constituent Polymer			HDPE F 7650	
Vicat Softening Point		°C	70	ISO 306
Tensile Yield Strength		MPa	23	ISO 527
Maximum Service Temperature		°C	85	
Overall Thickness	@ 2 kPa	mm	4.0	ISO 9863
Mass	Per unit area	g/m <sup>2</sup>	500	ISO 9864
Tensile Strength	Machine	kN/m	5	ISO 10319
	Across		5	
Mesh Angle	± 5°	°	55	

Geopipe™ Sizes		
	ID (mm)	OD (mm)
M150	150	160
M100	100	110
M65	65	75

## Transmissivity - ISO 12958



**Cross Section of Flo-Drain with 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).

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

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