



Enkadrain[®]

Geocomposite for drainage and filtration

PRODUCT DATA

Findrain 5006H

Properties geocomposite

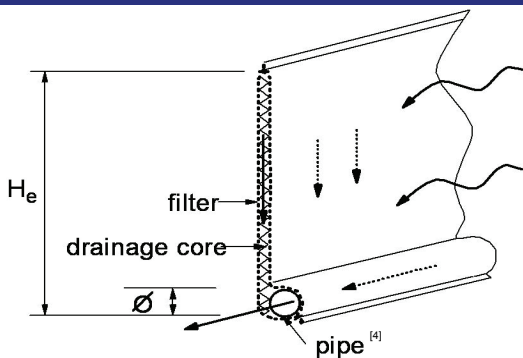
Hydraulic gradient	load	Flow capacity ^[1] in l/(s.m), (EN ISO 12958)
	kPa	
i = 1	20	0.4
Polymer (core/fleece)		PP / PET-PA
Mass per unit area (EN ISO 9864)	g/m ²	620
Thickness (EN ISO 9863-1)	mm	6
Tensile strength (md/cmd) ^[2] (EN ISO 10319)	kN/m	14
Elongation at break (md/cmd) ^[2] (EN ISO 10319)	%	45
Dynamic perforation (Cone drop) (EN ISO 13433)	mm	15

Properties fleece

Dynamic perforation (Cone drop) (EN ISO 13433)	mm	35
Opening size (O ₉₀) (EN ISO 12956)	µm	140
Water permeability (V _{IH50}) (EN ISO 11058)	mm/s	70

Dimensions

		/1.0 + 200	/0.50 + 200
Length x width of geocomposite [H _{effective}]	m	50 x 1.0	50 x 0.50
Length / diameter of roll	m	1.2 / 0.7	0.7 / 0.7
Gross weight ^[3]	kg	32	22.5



"Findrain" type of drain

Discharge capacity of ribbed, flexible, perforated pipes^[4]:

Hydraulic gradient	Discharge capacity in l/s at nominal pipe diameter in mm		
%	125 mm	160 mm	200 mm
0.1	1.3	2.5	4.7
0.5	4.0	7.6	13.0
1.0	4.4	8.3	15.0
2.0	11.0	21.0	40.0

The allowable distance between the outfalls has to be calculated based on the expected groundwater flow towards the findrain and the specified drainage capacities of findrain and pipe.

The values given are indicative values obtained in our laboratories and independent testing institutes. The material must be covered within 14 days after installation.

[1] Flow capacity is tested in cross machine direction under foam/foam circumstances.

[2] md = machine direction / cmd = cross machine direction.

[3] Gross weight = geocomposite + core + packaging, individual values may vary.

[4] Pipe not included. Enkadrain Findrain 5006H can accept pipes of 125 mm to 200 mm diameter.

