

DATA SHEET

DRAINCOTEX

PRODUCT DESCRIPTION : Nonwoven needled geocomposite, designed for vertical drainage

FUNCTION : Drainage

RAW MATERIAL : Polypropylene, polyester

TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness	ASTM D5199	7,0 mm	280 mils
HYDRAULIC	Resistance to penetration by water	CAN/CGSB-4.2 - No 26.3	0 - 20 mm	0 - 0,79 in

TECHNICAL DATA TABLE – TRANSMISSIVITY AS A FUNCTION OF COMPRESSION ⁽¹⁾

CONSTRAINT		THICKNESS (± 15 %)		TRANSMISSIVITY (± 15 %)
kPa	psi	mm	mils	
8	1,2	8,00	320	$2,0 \times 10^{-4} \text{ m}^2/\text{sec}$
20	2,9	6,90	276	$1,5 \times 10^{-4} \text{ m}^2/\text{sec}$
50	7,3	5,75	230	$0,9 \times 10^{-4} \text{ m}^2/\text{sec}$
200	29,0	3,40	136	$0,2 \times 10^{-4} \text{ m}^2/\text{sec}$

Note 1 : Test method ASTM D4716, gradient = 1

TECHNICAL DATA TABLE – POCKET FILTER HOSE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Tensile strength	ASTM D4632	400 N	90 lb
	Elongation at break	ASTM D4632	> 25 %	
	Tear strength	ASTM D4533	180 N	40 lb
	Puncture resistance (CBR)	ASTM D6241	1200 N	270 lb
HYDRAULIC	Resistance to water penetration	CAN/CGSB-4.2 - No 26.3	0 - 20 mm	0 - 0,79 po
	Permittivity	ASTM D4491	$0,05 \text{ s}^{-1}$	
	Filtration opening size (FOS) ⁽²⁾	CAN/CGSB-148.1 - No 10	150 μm	

Note 2 : Maximum average value per roll.

DATA SHEET

DRAINCOTEX (CONT.)

TABLEAU DES DIMENSIONS TECHNIQUES

PIPE DIAMETER (DRAINAGE CORE)		HEIGHT		LENGTH	
mm	in	m	ft	m	ft
150	6	0,85	2,6	30	91
150	6	1,00	3,0	30	91
150	6	1,20	3,7	30	91

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APPLICATIONS : Permanent public roadway
Roadway widening
Airport runways
Slab and building foundation