



Enkadrain B10/1-2s

Geocomposite for drainage & filtration



Enkadrain drainage mat provides consistent and excellent long-term performance. Each variant has a drainage core bonded to a synthetic nonwoven geotextile layer or is sandwiched between two such layers. Enkadrain provides solutions for groundwater issues for civil engineering and building projects, both during construction and in service. Enkadrain is suitable for many different applications including Landfills, Roads & Rail, Tunnels, Embankments, Basement Walls, Reduction of vibration and Green roofs.

TECHNICAL DATA SHEET

HYDRAULIC GRADIENT	TEST	LOAD (kPa)	FLOW CAPACITY
i = 1	EN ISO 12958	20	2.10 •10 ⁻³ m ² /s
		50	1.04 •10 ⁻³ m ² /s
		100	0.39 •10 ⁻³ m ² /s
		200	
i = 0.1	EN ISO 12958	20	0.62 •10 ⁻³ m ² /s
		50	0.25 •10 ⁻³ m ² /s
		100	0.08 •10 ⁻³ m ² /s
		200	
i = 0.03	EN ISO 12958	20	0.29 •10 ⁻³ m ² /s
		50	0.10 •10 ⁻³ m ² /s
		100	0.03 •10 ⁻³ m ² /s
		200	
Polymer Type	PP/PET-PA		
Mass per Unit Area	EN ISO 9864	g/m ²	540
Thickness under 2 kPa	EN ISO 9863-1	mm	10.0
Tensile Strength	EN ISO 10319	kN/m	10.0
Elongation at break	EN ISO 10319	%	35.0
Dynamic Perforation (cone drop)	EN ISO 13433	mm	20.0
GEOTEXTILE PROPERTIES			
Dynamic Perforation (cone drop)	EN ISO 13433	mm	45
Waterflow normal to plane (V _{h50})	EN ISO 11058	mm/s	100
Characteristic Opening Size (O ₉₀)	EN ISO 12956	µm	180
DIMENSIONS			
Roll Width		m	1.0
Roll Length		m	45
Roll Diameter		m	0.85
Gross Weight		kg	27
DURABILITY			
UV Protection	Material must be covered within 14 days after installation		

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