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DuoDrain Range

DuoDrain Range consists of a thick HDPE impermeable cuspated core with a geotextile filter fabric bonded to one side, thus creating a highly effective drainage void. The geotextile filter fabric prevents penetration of the drain by unwanted soils, fines etc which can block the drain. The impermeable core provides a void to relieve hydrostatic pressure and build up.

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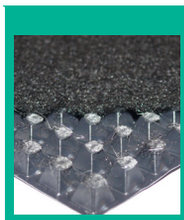

Property	Method	Units	Duodrain 6	Duodrain 12	Duodrain 25
Drain					
Polymer			High Density Polyethylene (HDPE)		
Thickness	BS EN ISO 9863:1	mm	6	12	25
Compressive strength		kPa	700	500	300
Geotextile					
Geotextile Type			Heat-bonded, Non-woven		
Polymer			Polypropylene		
CBR puncture resistance	BS EN ISO 12236	kN	1.7	2.4	2.2
Tensile strength (md)	BS EN ISO 10319	kN/m	12	18	20
Tensile strength (xmd)	BS EN ISO 10319	kN/m	12	18	20
Pore size O_{90}	EN ISO 12956	µm	85	80	80
Water flow	BS EN ISO 11058	l/m²/s	80	100	100
Composite					
In-plane flow capacity with hard platens					
i = 1.0 @ 20kPa	EN ISO 12958	l/s/m width	1.83	5.0	7.0
i = 1.0 @ 100kPa			1.69	4.0	6.0
i = 0.5 @ 20kPa			1.26	-	-
i = 0.5 @ 100kPa			1.10	-	-
i = 0.1 @ 20kPa			0.49	-	-
i = 0.1 @ 100kPa			0.45	-	
Biological resistance	HDPE does not support bacterial growth				
Chemical resistance	HDPE is highly resistant to acids & alkalis				
Roll dimensions (w x l)		m	0.97 x 100	1.0 x 50	0.9 x 50
Roll Weight		kg	38	60	60
CE Reference			0338-CPR-0939	0338-CPR-0940	0338-CPR-0941

Values are Typical. Typical indicates the mean value derived from the samples taken for any one test as defined in the BS EN ISO standard - Usually the mean of five samples.

DR: 17/V4/29.10.15

CE