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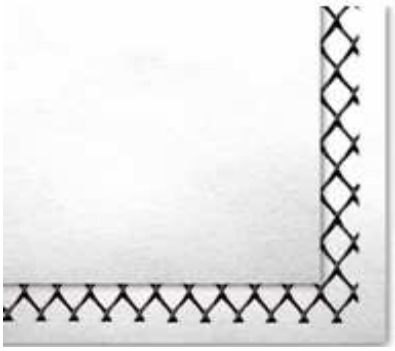
INTERDRAIN
GXG 412
Drainage geocomposite



PRODUCT DESCRIPTION :
INTERDRAIN GMG 412 is a polyethylene (ADPE) geonet with two Polypropylene (PP) geotextile heat laminated. The geonet is made with 2 overcrossed strands at 60º, whose geometry create channels with a high flow capacity, also under pressure and at very low gradients.

FUNCTION : DRAINAGE, FILTRATION, SEPARATION and PROTECTION in only one product.

MAIN USES : Landfill cappings, new landfills, water reservoirs, horizontal drainage in embankments and platforms of roads, railways, trams and other trafficked areas, retaining structures, bridges, foundations, basements, canals, cut and cover tunnels, tunnels and other underground structures, gardens and sport fields.

Characteristics		Value	Unit	Standard
Geonet drainage				
Polymer		Polyethylene (ADPE)		
Carbon black		2	%	ASTM D 1603
Density		0,942	g / m^3	ASTM D 1505
Geotextile filtration				
Polymer		Polypropylene (PP)		
Mass per unit area		120	g / m^2	ISO 9864
Cone drop		30	mm	ISO 13433
CBR		1,4	kN	ISO 12236
Opening size		90	µm	ISO 11058
Pore size O_{90}		< 170	µm	ISO 12956
Geocomposite				
Mass per unit area		640	g / m^2	ISO 9864
Thickness at 2 kPa / 200 kPa		4,5	mm	ISO 9863-1
Peak tensile strength MD / CD		18 / 16	kN/m	ISO 10319
Elongation at peak, MD / CD		40 / 40	%	ISO 10319
Flow capacity in their plane, MD			l/m·s	ISO 12958 (1)
	σ = 20 kPa	0,62		
	σ = 50 kPa	0,51		
i = 1,0	σ = 100 kPa	0,44		
	σ = 200 kPa	0,35		

INTERDRAIN standard roll format is **1,95 or 3,9 meters-wide**.
has 10 cm overlap at each side; it ease the installation and prevents the soil intrusion.
has to be covered between 14 days after installation.

(1) ISO 12958-1999 with 380*300 mm specimens and rigid plates (hard-hard).

MD : Machine direction (longitudinal)
CD : Cross machine direction (transversal)
i : Hydraulic gradient
σ: Normal stress

CE Certificate of conformity
0099/CPD/A42/0013
0099/CPD/A42/0014

AENOR ER Empresa Registrada ER-0061/2004
AENOR Gestión Ambiental CGM-983007

This information are typical values based on our present state of knowledge and is intended to provide general notes on our products and their uses.