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GENDT - DELFT - BEVERWIJK

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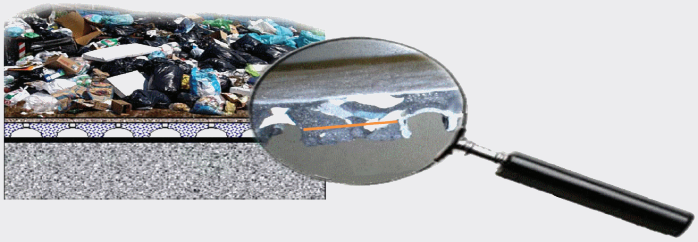

Geocomposite consisting of a drainage mat polyethylene closed-cell foam, chipboard and pressed with horizontal grooves in the round perforated 25mm thick, laminated to a nonwoven geotextile.

Applications according to product standards:
UNI EN 13252:2005
UNI EN 13257:2005
UNI EN 13255:2005
In drainage systems for landfills and roofgardens, for large and small, civil and public works.

FEATURES GEOCOMPOSITE	UNIT OF MEASURE	VALUE	TOLERANCE	REFERENCE STANDARD
PHYSICAL CHARACTERISTICS				
Mass per unit area	g/mq	3.500	± 5%	EN ISO 9864
Thickness at 2kPa	mm	25	± 5%	EN ISO 9863
CHARACTERISTICS MECHANICAL				
Tensile strength Longitudial	kN/m	11,2	-1,5	UNI EN 10319:2008
Tensile strength Transverse	kN/m	12,2	-1,6	UNI EN 10319:2008
Elongation at break	%	47	± 10%	UNI EN 10319:2008
Elongation transverse	%	56	± 10%	UNI EN 10319:2008
Resistance to impact static	N	2328	/	UNI EN ISO 12236:2006
Resistance to impact dynamic	mm	No drilling	/	UNI EN ISO 13433:2006
Residual depth to the test impact of damage	%	88	/	EN ISO 13428
HYDRAULIC CHARACTERISTICS				
Drainage capacity in the plane (i=1)	l/s*m (10 kPa)	5,50	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=1)	l/s*m (20 kPa)	4,48	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=1)	l/s*m (40 kPa)	3,45	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=1)	l/s*m (100 kPa)	2,24	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=1)	l/s*m (200 kPa)	1,13	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=0,1)	l/s*m (10 kPa)	1,94	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=0,1)	l/s*m (20 kPa)	1,41	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=0,1)	l/s*m (40 kPa)	1,05	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=0,03)	l/s*m (10 kPa)	0,99	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=0,03)	l/s*m (20 kPa)	0,81	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=0,03)	l/s*m (40 kPa)	0,69	/	UNI EN ISO 12958:2010
Water permeability normal to the plane	m/s	0,12	/	UNI EN ISO 11058:2010

DURABILITY
The residual strength of the product at the end of this test, it appears to be >20% as required in Table B.1 of appendix B of the UNI EN ISO 13252:2005

PROTECTION EFFICIENCY
Standard used: UNI EN 13719:2004
Product standard: UNI EN 13255:2005
Test conditions: 300 kN/m²
RESULT: <2,0%

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FEATURES GEOTEXTILE	UNIT OF MEASURE	VALUE	TOLERANCE	REFERENCE STANDARD
PHYSICAL CHARACTERISTICS				
Mass per unit area	q/mq	160	/	EN ISO 9864
Thickness at 2 kPa	mm	1,9	/	EN ISO 9863/1
Thickness at 20 kPa	mm	1,2	/	EN ISO 9863/1
Thickness at 200 kPa	mm	0,3	/	EN ISO 9863/1
CHARACTERISTICS MECHANICAL				
Tensile strength Longitudial	kN/m	11,2	-1,5	UNI EN 10319:2008
Tensile strength Transverse	kN/m	12,2	-1,6	UNI EN 10319:2008
Elongation at break	%	80	± 16	UNI EN 10319:2008
Elongation transverse	%	80	± 16	UNI EN 10319:2008
Resistance to impact static	N	1800	-180	UNI EN ISO 12236:2006
Resistance to impact dynamic	mm	15,5	2,8	UNI EN ISO 13433:2006
HYDRAULIC CHARACTERISTICS				
Drainage capacity in the plane (i=1)	$m^2/s \times 10^{-6}$ (20kPa)	4,2	-1,7	UNI EN ISO 12958:2010
Water permeabilty normal to the plane	l:s*mq	105	-31	UNI EN ISO 11058:2010
Opening size feature	µm	100	± 20	UNI EN ISO 12956:2010