



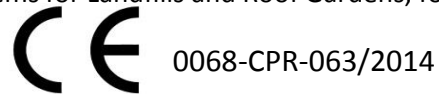
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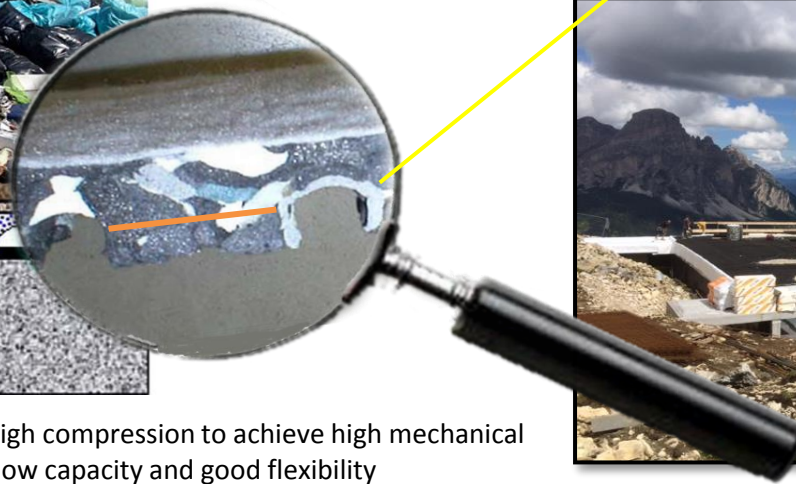
Geocomposite consisting of a drainage mat polyethylene closed-cell foam, chipboard, chipboard and pressed with horizontal grooves in the round perforated 25 mm thick, laminated to a nonwoven geotextile

APPLICATIONS

Applications according to product standards: UNI EN 13252:2005 UNI EN 13257:2005 UNI EN 13255:2005
In Draining systems for Landfills and Roof Gardens, for large and small , civil and public works



Channels made during the high compression to achieve high mechanical strength, high flow capacity and good flexibility



Distance feature from channel to channel, about 5 cm



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 2 kPa	mm	25	± 5%	EN ISO 9863
CHARACTERISTICS MECHANICAL				
Tensile strength longitudinal	kN/m	10,7	-1,5	UNI EN 10319:2008
Tensile strength transverse	kN/m	12,5	-1,6	UNI EN 10319:2008
Elongation at break	%	65	± 10 %	UNI EN 10319:2008
Elongation transverse	%	64	± 10 %	UNI EN 10319:2008
Resistance to impact static	N	2516	/	UNI EN ISO 12236:2006
Resistenza al punzonamento dinamico	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)	4,46	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=1)	l/s*m (20 kPa)	3,84	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=1)	l/s*m (40 kPa)	2,89	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=1)	l/s*m (100 kPa)	2,01	/	UNI EN ISO 12958:2010
Drainage capacity in the plane (i=1)	l/s*m (200 kPa)	1,15	/	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	0,07	± 30	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	Test Conditions: 300 kN/m ²
Product standard: UNI EN 13255:2005	Result: < 2,0 %

FEATURES GEOTEXTILE	UNIT OF MEASURE	VALUE	TOLERANCE	REFERENCE STANDARD
PHYSICAL CHARACTERISTICS				
Mass per unit area	g/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 longitudinal	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)	$m^2/s \times 10^{-6}$ (20 kPa)	4,2	-1,7	UNI EN ISO 12958:2010
Water permeability normal to the plane	l:s*mq	72	± 30	UNI EN ISO 11058:2010
Opening Size feature	µm	63	± 30	UNI EN ISO 12956:2010