MACCAFERRI

TECHNICAL DATA SHEET

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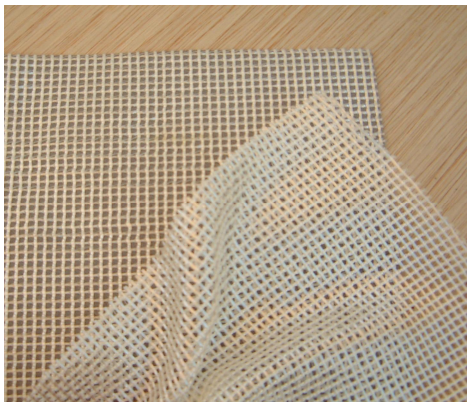
MACTEX C2S®

GEOCOMPOSITES FOR REINFORCEMENT APPLICATIONS

MACTEX C2S is a high SYMMETRIC strength Directionally Oriented Structure composite. A polyester woven knitted geotextile produced by mechanically interlooping yarns by means of warp knitting technology is combined with a nonwoven filtering geotextile, to obtain a product suitable for reinforcement applications.
MACTEX C2 has also a limited in plane draining capacity.

MACTEX C2			**04S**	**05S**	**08S**	**10S**
Mechanical properties of the geocomposite						
Tensile strength (longitudinal direction)	EN ISO 10319	kN/m	40	60	80	100
Tolerance			-5	-5	-5	-5
Strain at maximum longitudinal load	EN ISO 10319	%	12.5	12.5	12.5	12.5
Tolerance			± 2.5	± 2.5	± 2.5	± 2.5
Tensile strength (cross direction)	EN ISO 10319	kN/m	40	55	80	100
Tolerance			-5	-5	-5	-5
Strain at maximum load	EN ISO 10319	%	12.5	12.5	12.5	12.5
Tolerance			± 2.5	± 2.5	± 2.5	± 2.5
Nonwoven geotextile separation component						
Nonwoven geotextile structure and polymer			assembled by needlepunching high tenacity polypropylene or polyester yarns			
Mass per unit		g/m^2	150			
Permeability		m/s	9.3×10^{-2}			
Pore size - AOS O_{90}		mm	70			
Woven geotextile reinforcement component						
Woven geotextile structure			warp knitted			
Woven geotextile polymer			high tenacity polyester			
Mesh opening size [(1)]		mm	4.0			
Physical-geometrical characteristics						
Roll width		m	4.40 or 5.30			
Roll length		m	100	100	100	100



[(1)] Other mesh opening size are available on request without changing the characteristics of the geocomposite; the mesh size reported in the data sheet is the standard of the production.

The geocomposites can be manufactured in other intermediate resistances. For more and detailed information on the full range please contact our technical-commercial dpt.

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