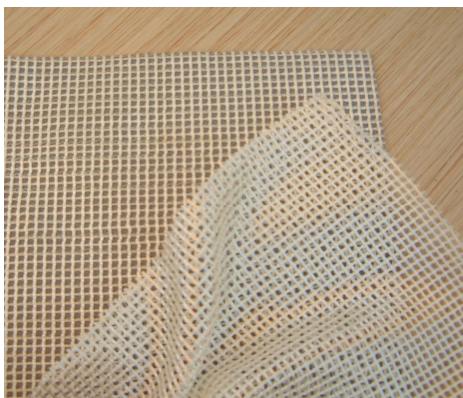


MACTEX C2S®

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 x 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.

For the optimisation and improvement process of the technical characteristics of the products, the manufacturer reserves the right to modify the standard characteristics of the product without any notice. The information contained herein are to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability for any loss or damage, however arising, which results directly or indirectly from the use of such information nor we do offer any warranty or immunity against patent infringement.

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Bureau Veritas Certified Quality System Company
with SINCERT's and UKAS' s accreditation.