

# „KORTEX® GT“ – TECHNICAL DATASHEET



Die geo-logische Kompetenz

THE WOVEN HIGH TENACITY GEOTEXTILE MADE FROM 100% POLYESTER-MULTIFILAMENTYARNS.

			KORTEX® GT 100/50	KORTEX® GT 150/50	KORTEX® GT 200/50	KORTEX® GT 400/50	KORTEX® GT 600/50	KORTEX® GT 800/100	
<b>MECHANICAL PROPERTIES</b>									
Tensile Strength <i>(EN ISO 10 319)</i>	MD min.	kN/m	110	160	220	440	660	880	
	tolerance	kN/m	-10	-10	-20	-40	-60	-80	
Tensile Strength <i>(EN ISO 10 319)</i>	CD min.	kN/m	55	55	55	55	55	110	
	tolerance	kN/m	-5	-5	-5	-5	-5	-10	
Elongation at break <i>(EN ISO 10 319)</i>	MD min.	%	11	11	12	12	13	13	
	tolerance	%	±2	±2	±2	±2	±2	±2	
Elongation at break <i>(EN ISO 10 319)</i>	CD min.	%	11	11	12	12	13	13	
	tolerance	%	±2	±2	±2	±2	±2	±2	
Cone Drop Test <i>(EN ISO 918)</i>	Min.	mm	17	7	7	13	15	8	
	tolerance	mm	+5	+4	+3	+5	+4	+4	
CBR Puncture Resistance <i>(EN ISO 12 236)</i>	Min.	kN	6	11	11	11	11	11	
	tolerance	kN	-2	-3	-3	-3	-3	-3	
<b>HYDRAULIC PROPERTIES</b>									
Water permeability normal to plane, $k_v$ <i>(EN ISO 11 058)</i>	Min.	m/s	$8 \cdot 10^{-2}$	$4 \cdot 10^{-2}$	$4 \cdot 10^{-2}$	$2 \cdot 10^{-2}$	$4 \cdot 10^{-2}$	$5 \cdot 10^{-2}$	
	tolerance	m/s	$-3 \cdot 10^{-2}$	$-2 \cdot 10^{-2}$	$-2 \cdot 10^{-2}$	$-1 \cdot 10^{-2}$	$-2 \cdot 10^{-2}$	$-2 \cdot 10^{-2}$	
Characteristic Opening Size $O_{90,w}$ <i>(EN ISO 12 956)</i>	Min.	mm	0,44	0,30	0,25	0,45	0,15	0,15	
	tolerance	mm	±0,13	±0,09	±0,08	±0,14	±0,05	±0,05	
<b>FORMS OF SUPPLY</b>									
Width	m	3,5 or 4,5							
Length	m	100				50			

KORTEX® GT - PRODUCTS ARE CHEMICAL-, BIOLOGICAL- AND UV-RESISTANT

The manufacturing of these products has been found to conform to the Quality System Standard UNI EN ISO 9002; 1994

TENSILE STRENGTHS AT 2%, 3% AND 5% AVAILABLE ON REQUEST.

THE VALUES GIVEN ARE INDICATIVE AND CORRESPOND TO AVERAGE RESULTS OBTAINED IN OUR LABORATORIES AND INDEPENDENT TESTING INSTITUTES.

THE RIGHT IS RESERVED TO MAKE CHANGES WITHOUT NOTICE AT ANY TIME.

INTERMEDIATE GRADES AVAILABLE ON REQUEST.

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