

# SINTEXMAT



Anti-erosion geomat constituted by the union of 3-dimensional geonets

Physical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Mass per unit area	[EN ISO 9864]		320	g/m <sup>2</sup>	+/- 10	+/- 32
Thickness	[EN ISO 9863-1]	2 kPa	25,00	mm	+/- 20	+/- 5,00
Mesh size		MD	10,0	mm		
		CMD	10,0	mm		
Number undulations			22	n°/m		
Composition		PP + HDPE				

Mechanical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Strength at 10% of elongation	[EN ISO 10319]	MD	1,5	kN/m		
Strength at 20% of elongation	[EN ISO 10319]	MD	2,5	kN/m		
Soil Loss Ratio	[ECTC #2]	Soil loss of unprotected surface divided by soil loss with protected surface: C-Factor.				
Rain intensity (Rain Splash Test)		50 mm/h	2,72			
Rain intensity (Rain Splash Test)		100 mm/h	3,10			
Rain intensity (Rain Splash Test)		150 mm/h	3,35			

Durability properties						
Weathering resistance	[EN 12224]	To be covered within 15 days from the day of installation.				
Resistance to hydrolysis	[EN 12447]	Forecast minimum durability of 25 years in natural ground with 4<pH<9 and soil temperature < 25°C.				

The values given are an average obtained in our laboratories and in official testing institutes.  
The confidence level is 95%  
The right is reserved to make changes any time without notice.

MD = Machine Direction/Longitudinale; CMD = Cross Machine Direction/Trasversale; NA = Not Applicable/Non Applicabile

Ref.
Cod. 001230 Rev.1 Data Rev.: 29-03-2013

Approved by CQ


Approved by UT
