

Technical Data Sheet

EnkaMat™ 7210/1



EnkaMat™ is a three-dimensional matting made from continuous nylon monofilaments fused at their intersections. This process creates a flexible, durable structure where 95% is open space, ready for interaction with soil, mulch, and roots. This unique, open design creates the most effective root-reinforcement mat available. Unlike some materials, EnkaMat™ is manufactured from nylon to eliminate any buoyancy issues in submerged conditions. It instantly conforms to any soil surface, delivering immediate erosion control that is highly cost-efficient due to its low-maintenance requirements.

Properties geocomposite	Test Method	Unit	EnkaMat™ 7210/1
Polymer			PA
Weight	EN ISO 9864	g/m ²	260
Thickness nominal		mm	10
Tensile strength - MD	EN ISO 10319	kN/m	1.5
Tensile strength - CMD	EN ISO 10319	kN/m	2
Elongation at maximum load - MD	EN ISO 10319	%	100
Elongation at maximum load - CMD	EN ISO 10319	%	50
Temperature resistance		°C	-40/80
Inflammability	DIN 4102		B2
Structure Type			open, one sided flatback
3 dimensional structure providing free volume		%	>95
Soil retention factor		m/m ²	1810
Durability			
Ageing	Good resistance to weathering and radiation		
Chemical Resistance	Resistant to all chemicals in concentrations which are normally contained in the earth and surface water.		
Toxicity	None; approved for use in potable water reservoirs; EnkaMat™ is inert and not harmful to the environment.		
Rodent damage	No nutritive value; the tangled structure of the mat is unpleasant to burrowing animals and rodents.		
Filing on site	Filling the erosion control product with soil-layer and vegetation seeds according installation manual.		
Dimensions		Unit	EnkaMat™ 7210/1
Width x Length		m	1 x 30
Length / diameter of roll		m	1.03 x 0.65
Gross weight		kg	9



Doc ref: EM72101303/VI/13022026

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge becomes available. Since we cannot anticipate all variations in actual end use conditions, Geosynthetics Limited makes no warranties and assumes no liabilities in connection with this information. Nothing in this publication is to be considered as a licence to operate under or a recommendation to infringe any patent right.