

Technical Data Sheet

EnkaMat™ A20



Waterways and flood defenses are subjected to attack by waves and currents. This can lead to erosion and stability problems on the banks of canals, lakes or rivers. Where vegetation cannot develop or a vegetative cover alone will not provide sufficient erosion protection, the High Performance Turf Reinforcement Mat (HPTRM) EnkaMat™ A20 is the solution. Thanks to its high specific weight, the product provides effective protection under erosive forces and can be installed under water. Directly after installation the EnkaMat™ A20 erosion control mat protects the slope from erosion and enables the development of vegetation. Once vegetation is established, the prefilled erosion-control mat integrates with its root system to provide an erosion-control system with a proven life expectancy of over 40 years already.

Properties geocomposite	Test Method	Unit	EnkaMat™ A20
Polymer			PA
Pre-fill			bitumen-bound mineral filter of 2-5mm chippings
Colour			black
Weight	EN ISO 9864	g/m²	>20,000
Thickness		mm	22
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.		
Dimensions		Unit	EnkaMat™ A20
Width x Length		m	4.8 x 20
Effective width		m	4.5
Length / diameter of roll		m	5.6 x 0.8
Gross weight		kg	2424
Prescription of installation			
Preparations	Smooth profile		
Installation direction	Rolls shall be unrolled perpendicular to the bank		
Lateral overlap	1 pin per 1.5m (top/bottom), 1 pin per m (overlap)		
Anchorage	0.30m; dig in at the toe and the crest of the slope by means of a trench		
Filling on site	Not applicable		



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