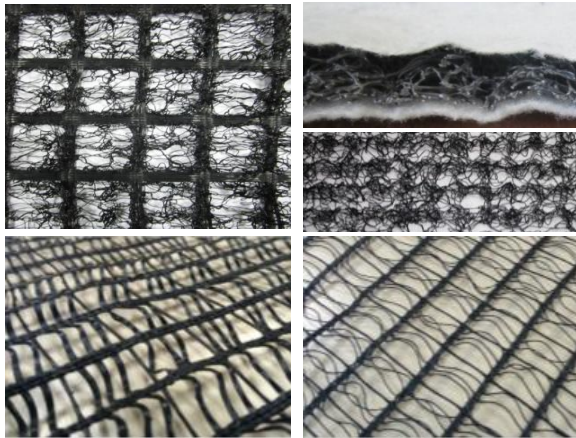


Technical data sheet

EXTRAMAT geomats

Protecting slopes of earth structures against erosion



EXTRAMAT geomat is a three-dimensional geosynthetic material obtained by extrusion of polymer or warp-knitting method with its warp made of glass or polyester fiber and its weft made of glass and/or polyester fiber with polymer coating. Geosynthetic materials (geogrid) may be embedded in structure of an extrusion geomat as reinforcement. Geomat may be combined with a non-woven material (geotextile) at one (MTAD-1 geomat) or two (MTAD-2 geomat) sides.

Typical application: as reinforcing components during road construction, including for the purposes of creating persistent vegetative cover against erosion of earthwork structures: banked earth, water courses, drain ditches, bridge abutments, beds of occasionally flowing streams.

Physical properties of MTA, MTAD, MTS EXTRAMAT geomats

Property	Unit	MTA 15 -150	MTA 15 -250	MTA 15 -350	MTA 15-550	MTAD 1-15	MTAD 2-15	MTS 15-550
Type of polymer		polypropylene / ethylene-propylene copolymer						
Surface weight	g/m ²	≥250	≥250	≥350	≥550	≥350	≥550	≥550
Reinforcing material		geogrid				one-layered nonwoven	two-layered nonwoven	
Tensile strength								
Machine Direction	kN/m	n/d	≥7	≥7	≥50	≥7	≥8	≥1.8
Cross-Machine Direction	kN/m	n/d	≥7	≥7	≥50	≥7	≥8	≥1
Nominal thickness (at 2 kPa)	mm	13±3	13±3	13±3	13±3	13±3	13±3	18±3
Color of geomat		black						
Standard roll size								
width	m	3±0.05						
length	m	50±0.5						

Technical data sheet

EXTRAMAT geomats

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Physical properties of GP EXTRAMAT geomats

Property	Unit	GP 20/20	GP 30/30	GP 40/40	GP 50/50	GP 60/60	GP 60/20	GP 90/90
Type of raw material		Polyester fiber						
Surface weight	g/m ²	≥215	≥230	≥240	≥250	≥300	≥240	≥500
Tensile strength								
Machine Direction	kN/m	≥20	≥30	≥40	≥50	≥60	≥60	≥90
Cross-Machine Direction	kN/m	≥20	≥30	≥40	≥50	≥60	≥20	≥90
Thickness	mm	8±3	8±3	8±3	8±3	8±3	6±3	8±3
Color of geomat		black						
Standard roll size								
width	m	4						
length	m	100						

Physical properties of GCP EXTRAMAT geomats

Property	Unit	GGP 20/20	GGP 30/30	GGP 40/40	GGP 50/50	GGP 60/60	GGP 90/90
Type of raw material		Polyester and glass fiber					
Surface weight	g/m ²	≥215	≥230	≥240	≥250	≥300	≥500
Tensile strength							
Machine Direction	κN/m	≥20	≥30	≥40	≥50	≥60	≥90
Cross-Machine Direction	κN/m	≥20	≥30	≥40	≥50	≥60	≥90
Thickness	mm	8±3	8±3	8±3	8±3	8±3	8±3
Color of geomat		black					
Standard roll size							
width	m	4					
length	m	100					

Manufacture of the material with other physical and mechanical properties is accepted upon agreeing about with a consumer.

Regulatory documents:

- STO 00205009-011-2012
- STO 00205009-019-2016
- TU 2296-006-00205009-2016
- CE "Factory production control"

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