

# TENAX MULTIMAT R

Type: **20 – 35 – 55 – 80 – 110 – 150**

Reinforced geomat



TENAX **MULTIMAT R** are geomats designed for the protection and growing of grass on steep slopes subject to erosion and for avoiding the sliding of soil. TENAX **MULTIMAT R** are three-dimensional mats composed of extruded and bioriented polypropylene grids, with a polyester high tenacity geogrid layer as reinforcement. The grids layers are sewn together with a black polypropylene yarn. The three dimensional structure is purposely engineered for trapping a layer of topsoil, thus avoiding rainfall erosion by both sheltering the surface against the impact of raindrops and by restricting the movement of the soil particles. The high strength geogrid allows the anchoring of the bigger material (cobble and rocks) and the venier stability. The product can be easily installed and it does not require skilled personnel.

## Typical applications

Consolidation, stabilization, growing of grass on steep slopes and veneer stability.

PHYSICAL CHARACTERISTICS	TEST METHOD	UNIT	MULTIMAT R	NOTES
STRUCTURE			THREE DIMENSIONAL REINFORCED GEOMAT	
STANDARD COLOR			BLACK	
POLYMER TYPE			POLYPROPYLENE - POLYESTER	
CARBON BLACK CONTENT	ASTM D4218		YES	
PACKAGING	ISO 10320		ROLLS WITH IDENTIFICATION LABEL	

DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	20/R	35/R	55/R	80/R	110/R	150/R	NOTES
THICKNESS	ISO 9863	mm	18	18	18	18	18	18	b
ROLL WIDTH		m	2.20	2.20	2.20	2.20	2.20	2.20	b
ROLL LENGTH		m	30	30	30	30	30	30	b

TECHNICAL CHARACTERISTICS	TEST METHOD	UNIT	20/R	35/R	55/R	80/R	110/R	150/R	NOTES
PEAK TENSILE STRENGTH	ISO 10319	kN/m	20	35	55	80	110	150	a,c
YIELD POINT ELONGATION	ISO 10319	%	12.0	12.0	12.0	12.0	12.0	12.0	b,c,e
PEAK TENSILE STRENGTH	ISO 10319	kN/m	20	20	20	20	20	20	a,d
YIELD POINT ELONGATION	ISO 10319	%	12.0	12.0	12.0	12.0	12.0	12.0	b,d,e

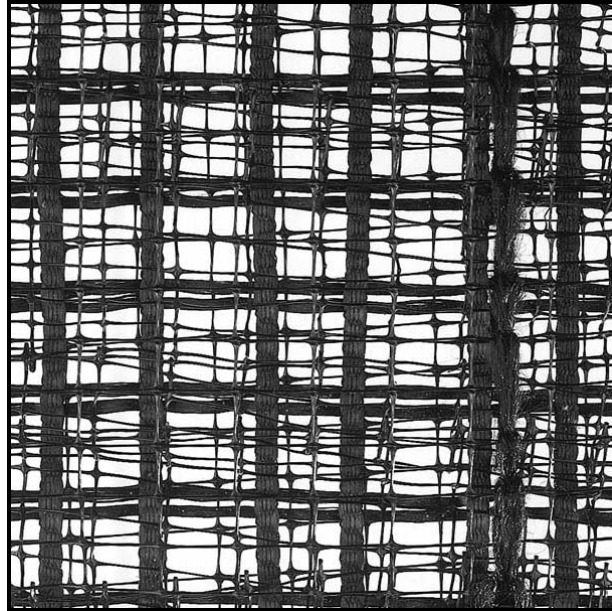
### NOTES:

- a) Minimum values
- b) Typical values
- c) MD : machine direction (longitudinal to the roll)
- d) TD : transverse direction (across roll width)
- e) Tolerance: ±2



## Typical Characteristics

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0799-CPD-25



The TENAX Laboratory has been operational since 1980 and has been continuously improved with the purpose of assuring unequalled technical development of the products and accurate Quality Control.

The TENAX Laboratory can perform mechanical, hydraulic and durability tests, according to the most important international standards like ISO, CEN, ASTM, DIN, BSI, UNI.

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