

MACGRID® WG
MONODIRECTIONAL WOVEN HIGH TENACITY POLYESTER GEOGRID



MacGrid™ WG is a geogrid for soil reinforcement, made from high molecular weight, high tenacity polyester multifilament yarns. The yarns are woven on tension in machine direction and finished with a polymeric coating. MacGrid™ WG geogrids are engineered to be mechanically and chemically durable, and resistant to biological degradation.

MACGRID WG											
Mechanical properties (typical values)	Unit	2	3	4	5	6	8	9	11	15	20
Tensile strength - MD (EN ISO 10319)	kN/m	25	40	45	60	70	90	100	130	170	220
Tolerance		-5	-5	-5	-5	-5	-10	-10	-20	-20	-20
Strain at max strength - MD (EN ISO 10319)	%	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	12.0
Tolerance		± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5
Tensile strength - CMD (EN ISO 10319)	kN/m	25	25	25	35	35	35	35	35	35	25
Tolerance		-5	-5	-5	-15	-15	-15	-15	-15	-15	-15
Strain at max strength - CMD (EN ISO 10319)	%	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Tolerance		± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5
Physical properties											
Mesh size (nominal)		20 x 20 - 25 x 25 - 35 x 35									
Geogrid core		high tenacity polyester									
Polimeric coating (standard)		EVA or PVC									
Roll width (standard)	m	3.9									
Roll length (standard)	m	100									

Note:

- MD means machine direction or length direction
- CMD means cross machine direction or transverse direction
- Special products can be manufactured on request for specific projects. The white columns are the standards products available on stock; the coloured column are special products to be manufactured on request and generally not available on stock.
- The material is flammable
- The material can be stocked in open space and piled until a maximum height of 5 rolls.



As part of our partners' ISO 9001 Management Systems and guided research and development programmes, information contained herein is continuously updated. Above technical values are mean values and are indicative. The right is reserved to make changes without notice at any time. Please confirm with African Gabions the latest version of the product specification available.