



APPLICATIONS

- Reinforcement
- Filtration
- Pavement Stabilisation
- Subgrade Separation

mastaGRID® GT is a geocomposite made up of a biaxial geogrid laminated to a nonwoven geotextile.

Polymer: Polypropylene Geogrid(PP) and Geotextile Polyester (PET) or Polypropylene (PP).

CODE	DESCRIPTION
GGCB2020	mastaGRID® GT 20/20 3.9m x 50m
GGCB3030	mastaGRID® GT 30/30 3.9m x 50m
GGCB4040	mastaGRID® GT 40/40 3.9m x 50m

Benefits of mastaGRID & Geotextile Geocomposites

- Distribution of loads and therefore reducing stress concentration over the soil.
- The geogrid's structural junctions, rigid ribs and thick walls help lock aggregate, increasing its shear resistance. As a result when a vertical load is applied, the aggregate is restrained by the ribs reducing deformation (lateral restraint).
- Decrease in long term deformation (creep).
- Increase in load distribution (bearing capacity increase).

mastaGRID® GT Specifications					
Properties	Unit	Stats	20/20 GT	30/30 GT	40/40 GT
Tensile Strength ⁽²⁾	kN/m	MD TD	20 20	30 30	40 40
Tensile Strength @ 2% Strain	kN/m	MD TD	7.0 7.0	10.5 10.5	17.5 17.5
Tensile Strength @ 5% Strain	kN/m	MD TD	14.0 14.0	21.0 21.0	28.0 28.0
Junction Efficiency ⁽⁴⁾	%		≥95%	≥95%	≥95%
Radial Stiffness	kN/m		380	550	725
Typical Dimensions					
Pitch Size	mm	Pmd Ptd	40 40	40 40	38 38
Rib Width	mm	Wmd Wtd	2.3 3.1	2.4 3.7	2.8 4.2
Rib Depth	mm	Typical	1.5	2.4	3.0
Standard Roll Sizes ⁽³⁾			3.9m x 50m (195m ²)	3.9m x 50m (195m ²)	3.9m x 50m (195m ²)
Geotextile Characteristics					
Refer mastaTEX® PET Nonwoven Data Sheet					

Note 1 Carbon Black content ≥ 0.5%.

Note 2 All Strength and Load figures are based on test results from the manufacturer's laboratory measured in accordance with ISO 10319 at the temperature of 21± 1°C and calculated as a lower 95% Confidence limit in accordance with ISO 2602.

Note 3 Other Roll sizes are available to order.

Note 4 Measured by comparing the results of tests in accordance with test methods GRI/GG2 and GRI/GG1.

