

PAVEMENT STABILISATION GEOGRID

Kontain TG Series

Multi-directional polymeric geogrid

APPLICATION

Multi-directional aggregate interaction for trafficked pavements, haul roads, hardstands and working platforms with variable wheel-path direction.

Technical data

The product number denotes the declared radial secant stiffness at 2% strain in kN/m. Pitch and roll dimensions are nominal.

Property	Basis	Unit	TG145	TG185	TG225	TG295
Radial secant stiffness at 2%	Declared	kN/m	145	185	225	295
Junction efficiency	Declared	%	100 +/-10	100 +/-10	100 +/-10	100 +/-10
Hexagon pitch	Nominal	mm	75 +/-3	75 +/-3	75 +/-3	75 +/-3
Mass per unit area	Declared	g/m2	200	250	320	400
Typical roll	Nominal	m	3.95 x 50	3.95 x 50	3.95 x 50	3.95 x 50

Application tiers

Grade	Typical position
TG145 / TG185	Designer-selected lighter-duty products.
TG225	General pavement and platform screening tier for assessed CBR >=4%.
TG295	Higher radial stiffness tier for assessed CBR >3% to <4% and demanding duty.
CBR <=3%	Project-specific selection; there is no automatic radial substitute for a BG40 fallback.

Selection and installation

Control	Kontain field requirement
Selection	Use design CBR, aggregate grading and Dmax, traffic duty, drainage, first-lift thickness and construction plant. Do not select on ultimate tensile class alone.
Overlap	CBR >2%: 300-450 mm. CBR 1-2%: 600-900 mm. CBR 0.5-1%: 900 mm. All roll ends: 900 mm minimum unless project documents require more.
Placement	End-dump onto previously placed fill and spread forward. Do not allow uncontrolled traffic on exposed grid or composite.
Cover	Maintain at least 200 mm compacted cover on firm formation and 300 mm or more for CBR <=2%, pumping risk or visibly unstable ground, unless the design requires more.
Stop work	Stop for progressive rutting, lateral wave, pumping, opened laps, movement, tears, delamination or exposed product. Correct the cause before continuing.

MRTS58

MRTS58 Type 1 and Type 2 project selections are supported for suitable applications. Kontain will nominate the proposed class and provide the project compliance schedule for the exact grade and configuration offered.

Product identification and use

Kontain product numbers are house identifiers. Final supply is governed by the Kontain quotation, approved project specification, certificate of analysis and terms of sale. This TDS provides product data and general installation guidance; it is not a pavement design or authority approval. Any pavement thickness reduction or structural benefit must be supported by the project designer.