

TRIGRID EX (Advanced Bi-axial Geogrid)

TRIGRID EX represent the very latest in the bi-axial geogrid technology. Trigrig EX utilizes the high strength and high tenacity Polyester in conjunction with Polypropylene, thus creating an interlocked geogrid structure, resulting in higher stiffness and higher Flexural Rigidity of the Trigrig EX bi-axial geogrid. This EX series is specifically designed for improved performance in soil stabilization, base reinforcement and soil reinforcement applications. The Trigrig EX is dimensionally stable with uniform network of apertures providing significant tensile reinforcement capacity in two principal directions. The Trigrig EX is engineered to be mechanically and chemically stable, in both harsh construction installation phase and in aggressive soil environments. TriGrids are biologically unaffected by soil micro-organisms.

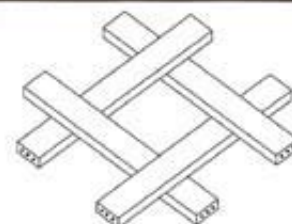
TENSILE PROPERTIES		TEST METHOD	UNIT	EX20/20	EX20/30	EX30/30	EX40/40	EX60/60
Ultimate Tensile Strength ⁽¹⁾	MD	ASTM D 6637	Lb/ft / kN/m	1507.88 / 22.0	1507.88 / 22.0	2261.82 / 33.0	2947.22 / 43.0	4386.56 / 64.00
	XD	ASTM D 6637	Lb/ft / kN/m	1507.88 / 22.0	2261.82 / 33.0	2261.82 / 33.0	2947.22 / 43.0	4386.56 / 64.00
Tension at 2% Strain ⁽¹⁾	MD	ASTM D 6637	Lb/ft / kN/m	411.24 / 6.0	411.24 / 6.0	548.32 / 8.0	753.94 / 11.0	925.29 / 13.5
	XD	ASTM D 6637	Lb/ft / kN/m	411.24 / 6.0	548.32 / 8.0	548.32 / 8.0	753.94 / 11.0	925.29 / 13.5
Tension at 5% Strain ⁽¹⁾	MD	ASTM D 6637	Lb/ft / kN/m	959.56 / 14.0	925.29 / 13.5	1370.80 / 20.0	1919.12 / 28.0	2399.0 / 35.0
	XD	ASTM D 6637	Lb/ft / kN/m	959.56 / 14.0	1370.8 / 20.0	1370.80 / 20.0	1919.12 / 28.0	2399.0 / 35.0
Flexural Rigidity ⁽²⁾		ASTM D 1388	mg - cm	8.1x10 ⁵	8.5 x 10 ⁵	1.01X10 ⁶	1.31 X10 ⁶	2.54 X10 ⁶
PHYSICAL PROPERTIES								
Roll Length ⁽²⁾		minimum	ft / m	164.04 / 50	164.04 / 50	164.04 / 50	164.04 / 50	164.04 / 50
Roll Width ⁽²⁾		minimum	ft / m	12.79 / 3.90	12.79 / 3.90	12.79 / 3.90	12.79 / 3.90	12.79 / 3.90
Estimated Roll Weight ⁽³⁾			Lbs / kgs	127.86 / 58.0	136.68 / 62.0	143.30 / 65.0	180.77 / 82.0	218.26 / 99.0

NOTES: (1) MARV (Minimum Average Roll Values); (2) typical. Standard roll lengths are shown; the products may be fabricated to custom lengths to suit the contractor's requirements.



TRIGRID EX Typical Applications:

- Soil Stabilization
- Roadway Systems – sub base reinforcement
- Foundation engineering
- Slope Stabilization
- Retaining wall reinforcement
- Gabion retaining walls
- Vegetated retaining walls
- Landfill expansion projects
- Railway embankments
- Earth Bunds around oil Tanks



► High performance fibers + High impact strength polymer

Checkmate Geosynthetics Inc is the sole Distributer for Samyangs Trigrig EX Bi-axial Geogrid range in North America

Disclaimer: Checkmate reserves the right to change these specifications without notice and at its sole discretion. The user of this specification sheet is required to obtain formal confirmation from Checkmate of the current specification of the product it intends to use.