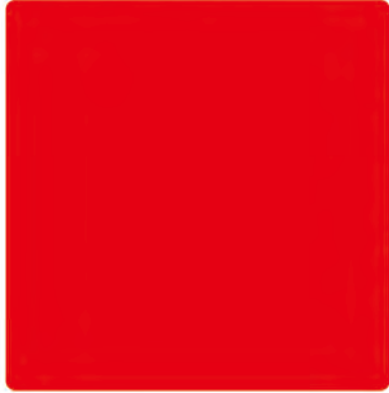




TMP America



TMP America Inc.

TMP America

Corporate Profile





TMP® GEOSYNTHETICS, established in 1998, has specialized in the production and marketing of geogrids, geotextiles, geocells, and engineering fibers. TMP is the largest geosynthetics manufacturer in China.

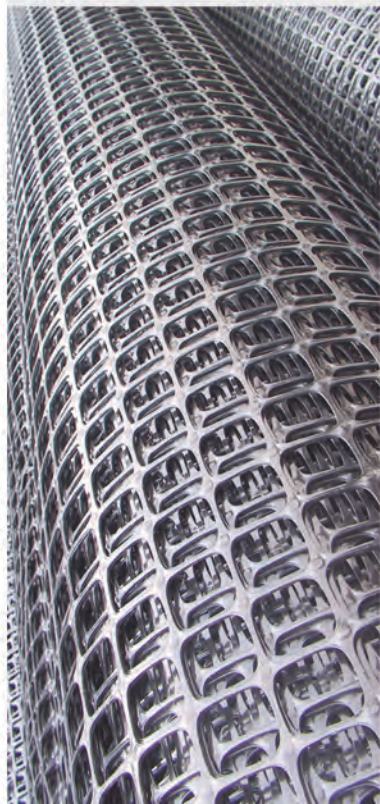
TMP America, Inc., established in 2016, is located in north Atlanta and is specialized in the production of Biaxial Geogrids. The company supplies Biaxial Geogrids to North America market with its most advanced geogrids production technology.

TMP takes integrity and innovation as its core development philosophy. With many years of experience, TMP has become one of the world's leading geosynthetics manufacturers and has built its reputation on a commitment to provide high-quality products and efficient services for its global clients. Its North America clients will be better served with the newly established TMP America, Inc.



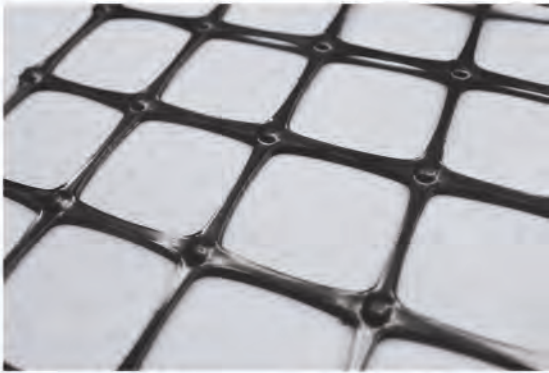
TMP Biaxial Geogrids

improve long-term performance and reduce cost
in road construction

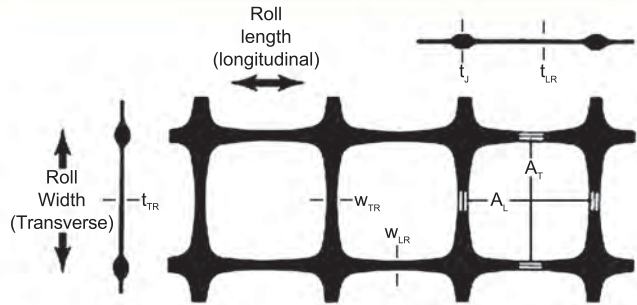




TMP Biaxial Geogrids are single layer regular grid structures formed by the process of extruding, punching, longitudinal stretching and transverse stretching. TMP Biaxial Geogrids have high flexural rigidity and high tensile modulus in relation to the material being reinforced to have high continuity of tensile strength through all ribs and junctions of the grid structures.



Product Specifications



Product	A _L	A _T	W _{LR}	W _{TR}	t _{LR}	t _{TR}	t _J
GG1515	36	36	2.6	2.6	1.0	0.8	3.1
GG2020	35	35	2.6	2.6	1.5	1.1	3.5
GG2525	34	34	2.8	2.8	1.8	1.4	4.2
GG3030	34	34	3.0	3.0	2.5	1.5	4.9
GG4040	33	33	3.0	3.0	3.4	2.1	5.5
GG4545	32	32	3.1	3.1	4.1	2.2	5.6
GG5050	30	30	3.1	3.1	4.3	2.5	5.8

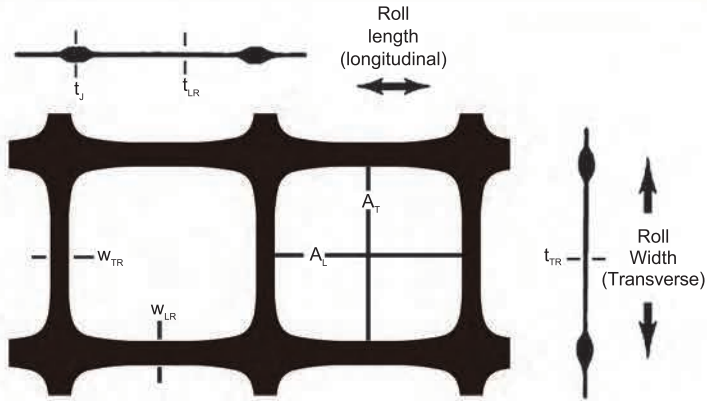
* unit = mm

Specifications	Test Method	Unit	GG1515		GG2020		GG2525		GG3030		GG4040		GG4545		GG5050	
			MD	TD	MD	TD	MD	TD	MD	TD	MD	TD	MD	TD	MD	TD
Index Properties																
• Polymer	-	-	PP		PP		PP		PP		PP		PP		PP	
• Minimum Carbon Black	ASTM D 4218	%	2		2		2		2		2		2		2	
• Tensile Strength @ 2% Strain	ASTM D 6637	kN/m	5	5	7	7	9	9	10.5	10.5	14	14	16	16	17.5	17.5
• Tensile Strength @ 5% Strain	ASTM D 6637	kN/m	10.5	10.5	14	14	17	17	21	21	28	28	32	32	35	35
• Ultimate Tensile Strength	ASTM D 6637	kN/m	15	15	20	20	25	25	30	30	40	40	45	45	50	50
• Strain @ Ultimate Strength	ASTM D 6637	%	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Structural Integrity																
• Junction Efficiency	GRI GG2	%	93		93		93		93		93		93		93	
• Flexural Rigidity	ASTM D 7748	mg-cm	250,000		750,000		1,000,000		2,000,000		4,800,000		6,000,000		8,000,000	
• Aperture Stability	COE Method	m-N/deg	0.32		0.50		0.65		0.75		0.98		1.05		1.10	
Dimensions																
• Roll Width	-	m	3.95		3.95		3.95		3.95		3.95		3.95		3.95	
• Roll Length	-	m	75		50		50		50		50		50		50	

MD = Machine Direction; TD = Transverse Direction.



Product Specifications

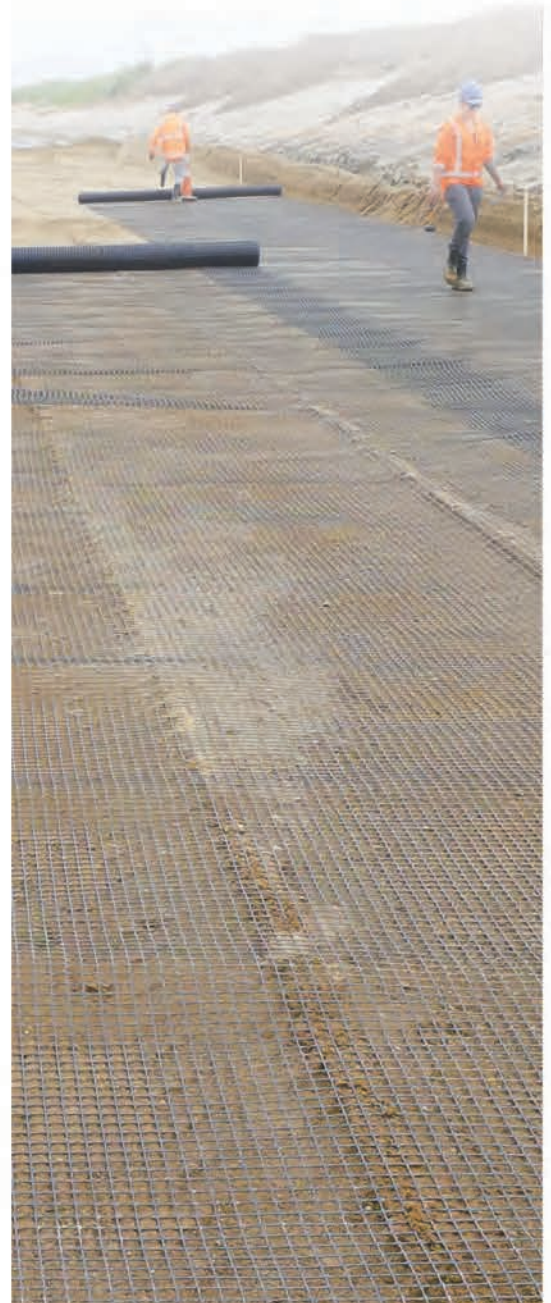


Product	A_L	A_T	W_{LR}	W_{TR}	t_{LR}	t_{TR}	t_j
GG2020L	57	57	6.0	6.0	1.2	0.9	3.5
GG3030L	57	57	6.0	6.0	1.9	1.3	5.0
GG4040L	57	57	6.0	6.0	3.0	2.0	6.0

* unit = mm

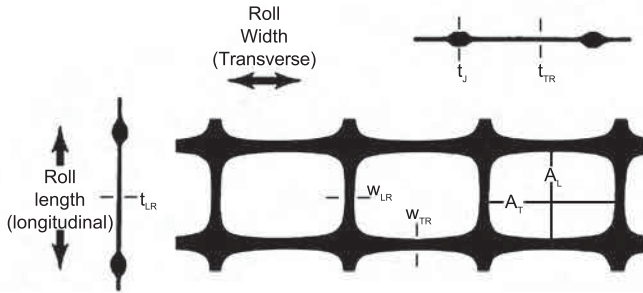
Specifications	Test Method	Unit	GG2020L		GG3030L		GG4040L	
			MD	TD	MD	TD	MD	TD
Index Properties								
• Polymer	-	-	PP	PP	PP	PP	PP	PP
• Minimum Carbon Black	ASTM D 4218	%	2	2	2	2	2	2
• Tensile Strength @ 2% Strain	ASTM D 6637	kN/m	7	7	10.5	10.5	14	14
• Tensile Strength @ 5% Strain	ASTM D 6637	kN/m	14	14	21	21	28	28
• Ultimate Tensile Strength	ASTM D 6637	kN/m	20	20	30	30	40	40
• Strain @ Ultimate Strength	ASTM D 6637	%	13	13	13	13	13	13
Structural Integrity								
• Junction Efficiency	GRI GG2	%	93	93	93	93	93	93
Dimensions								
• Roll Width	-	m	3.95	3.95	3.95	3.95	3.95	3.95
• Roll Length	-	m	50	50	50	50	50	50

MD = Machine Direction; TD = Transverse Direction.





Product Specifications



Product	A_L	A_T	W_{LR}	W_{TR}	t_{LR}	t_{TR}	t_J
GG1100	26	34	2.6	2.9	1.0	0.8	2.7
GG1200	26	34	2.7	3.0	1.6	1.1	3.7

* unit = mm

Specifications	Test Method	Unit	GG1100		GG1200	
			MD	TD	MD	TD
Index Properties						
• Polymer	-	-	PP		PP	
• Minimum Carbon Black	ASTM D 4218	%	2		2	
• Tensile Strength @ 2% Strain	ASTM D 6637	kN/m	4.1	6.6	6	9
• Tensile Strength @ 5% Strain	ASTM D 6637	kN/m	8.5	13.4	11.8	19.6
• Ultimate Tensile Strength	ASTM D 6637	kN/m	12.4	19.0	19.2	28.8
• Strain @ Ultimate Strength	ASTM D 6637	%	13	13	13	13
Structural Integrity						
• Junction Efficiency	GRI GG2	%	93		93	
• Flexural Rigidity	ASTM D 7748	mg-cm	250,000		750,000	
• Aperture Stability	COE Method	m-N/deg	0.32		0.65	
Dimensions						
• Roll Width	-	m	3.95		3.95	
• Roll Length	-	m	75		50	

MD = Machine Direction; TD = Transverse Direction.

TMP Biaxial Geogrids are used to improve the performance of aggregate base course materials supporting both paved and unpaved roadway surfaces. The geogrids provide confinement (lateral stability) of unbounded base courses, thus improving their vertical stress distribution characteristics. Confinement is achieved by the geogrids restraining the lateral and vertical deformation of the aggregate, which is locked into the aperture openings of the product during placement and compaction of the aggregate. The reinforcement action (strength) of the geogrids is generated by the application of vertical stress causing lateral and vertical deformations of both the aggregate and the geogrids.



TMP takes integrity and innovation as its core development philosophy. TMP has become one of the world's leading geosynthetics manufacturers.

TMP America Inc.

2000 McFarland 400 Blvd, Alpharetta, GA 30004
Tel: 770-674-4509