

# StrataBase – L Series

StrataBase geogrid is an internally formed biaxial geogrid with larger apertures, which is especially designed for soil stabilization and reinforcement applications. It is manufactured from polypropylene, by process of extruding then stretching in both machine and cross machine directions. It features high tensile strength at low strain in both machine (MD) and cross machine (CD) directions and provides excellent structural stability and mechanical interlock performance.



## Applications

**Base Reinforcement      Subgrade Reinforcement      Secondary Reinforcement      Embankment Stabilization**

		Unit	SB2020L	SB3030L	SB4040L	SB5050L
<b>INDEX PROPERTIES</b>						
<b>Polymer</b>			Extruded Polypropylene (PP)			
Ultimate Tensile Strength <sup>3</sup> (ISO 10319)	<b>MD</b>	kN/m	20.0	30.0	40.0	50.0
	<b>CD</b>	kN/m	20.0	30.0	40.0	50.0
Tensile Strength at 2% strain <sup>3</sup> (ISO 10319)	<b>MD</b>	kN/m	7.0	10.5	14.0	17.5
	<b>CD</b>	kN/m	7.0	10.5	14.0	17.5
Tensile Strength at 5% strain <sup>3</sup> (ISO 10319)	<b>MD</b>	kN/m	14.0	21.0	28.0	35.0
	<b>CD</b>	kN/m	14.0	21.0	28.0	35.0
Aperture Dimension <sup>2</sup> (Caliber)	<b>MD</b>	mm	66	66	61	57
	<b>CD</b>	mm	66	66	61	57
Rib Thickness <sup>2</sup> (ASTM D 1777)	<b>MD</b>	mm	1.4	2.1	2.8	3.5
	<b>CD</b>	mm	0.7	0.9	1.1	1.2
Rib Width <sup>2</sup>	<b>MD</b>	mm	4.4	4.4	4.7	4.9
	<b>CD</b>	mm	5.5	5.6	6.1	6.5
<b>STRUCTURAL INTEGRITY</b>						
Junction Efficiency <sup>4</sup> (GRI - GG2)		%	≥95	≥95	≥95	≥95
<b>DURABILITY</b>						
Resistance to UV Degradation <sup>5</sup> (ASTM D 4355)		%	100	100	100	100
<b>DIMENSIONS AND DELIVERY</b>						
Roll Width <sup>2</sup>		m	3.9	3.9	3.9	3.9
Roll Length <sup>2</sup>		m	51.3	51.3	30.8	30.8

### Notes:

- Nominal dimensions or values, unless otherwise noted
- Determined in accordance with ISO 10319
- Load transfer capacity between node and tensile ribs expressed as percentage of ultimate tensile strength
- Resistance to loss of load capacity or structural integrity when subjected to 500 hours of ultraviolet light and aggressive weathering in accordance with ASTM D 4355
- MD= machine direction/ CMD= cross machine direction
- The above values are subject to change as per discretion of the company.

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