

StrataBase – L Series



StrataBase-L geonett er et biaksialt geonett med større ruteåpninger, som er spesielt designet for jordstabilisering og forsterkning. Den er produsert av polypropylen, ved ekstrudering og deretter strekking i både maskin- og maskinretninger. Geonettet har høy strekkstyrke ved lav belastning i både maskin- (MD) og tverrs av maskin- (CD) retninger og gir utmerket strukturell stabilitet og mekanisk sammenlåsning (Interlocking).

Applications

Base Reinforcement Subgrade Reinforcement Secondary Reinforcement Embankment Stabilization

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

SG/BX/DI/PM/15/11