

# StrataBase

StrataBase geonett er et biaksialt geonett 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) retningen og gir utmerket strukturell stabilitet og mekanisk sammenlåsning (interlocking).



## Applications

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

		Unit	SB2020	SB3030	SB4040	SB5050
<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	40	40	38	34
	<b>CD</b>	mm	40	40	38	34
Rib Thickness <sup>2</sup> (ASTM D 1777)	<b>MD</b>	mm	1.5	2.4	3.0	3.7
	<b>CD</b>	mm	0.7	1.0	1.0	1.6
Rib Width <sup>2</sup>	<b>MD</b>	mm	2.3	2.4	2.6	2.6
	<b>CD</b>	mm	3.1	3.7	4.5	4.5
<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.

SG/BX/DI/PM/15/11