

## SPECIFICATION SHEET

# FASTRACK HS RANGE

### High-Strength Woven Geotextiles

### Technical Data Sheet

Mechanical Properties	Test	Units	110/50*	110/110	165/50	165/165	220/50	220/220	330/50	440/50
Tensile Strength - warp	EN ISO 10319	kN/m	110	110	165	165	220	220	330	440
Tensile Strength - weft	EN ISO 10319	kN/m	50	110	50	165	50	230	55	55
Strength at 6 % elongation	EN ISO 10319	kN/m	> 45	> 62,5	> 80	> 80	> 90	> 90	> 140	> 190
Strength at 10 % elongation	EN ISO 10319	kN/m	> 90	> 110	> 150	> 150	> 200	> 200	> 290	> 300
Elongation at break - warp	EN ISO 10319	%	10.5	11	10.5	11	10	10	10	10
Elongation at break - weft	EN ISO 10319	%	11	11	11	11	11	10	10	10
CBR Puncture Resistance	EN ISO 12236	N	5 000	8 000	7 000	14 000	7 500	21 000	8 000	10 000
Dynamic Cone Drop	EN ISO 13433	mm	15	15	15	21	12	28	25	20

Hydraulic Properties	Test	Units	110/50*	110/110	165/50	165/165	220/50	220/220	330/50	440/50
Characteristic Opening Size	EN ISO 12956	µm	300.0	250.0	175.0	190.0	120.0	400.0	100.0	150.0
Hydraulic Velocity	EN ISO 11058	m/s	25 x 10 <sup>-3</sup>	25 x 10 <sup>-3</sup>	15 x 10 <sup>-3</sup>	20 x 10 <sup>-3</sup>	10 x 10 <sup>-3</sup>	30 x 10 <sup>-3</sup>	9 x 10 <sup>-3</sup>	8 x 10 <sup>-3</sup>
Permeability	EN ISO 11058	l/m <sup>2</sup> .s	25	25	15	20	10	30	9	8

Physical Properties	Test	Units	110/50*	110/110	165/50	165/165	220/50	220/220	330/50	440/50
Thickness under 2 kPa	EN ISO 9863-1	mm	0.45	0.55	0.50	0.70	0.75	1.15	1.30	1.30
Weight	EN ISO 9864	g/m <sup>2</sup>	247	317	329	477	416	660	560	759
Roll width		cm	525	525	525	525	515	530	525	525
Roll length		m	100(**)	100(**)	100(**)	100(**)	100(**)	100(**)	100(**)	100(**)
Full load volume (+/- 10%)		m <sup>2</sup>	68 680	54 540	54 540	32 550	48 000	25 440	30 450	22 050
Roll diameter (+/- 10%)		cm	30	30	30	35	32	40	38	48

\*Only produced to order

\*\* roll length +/- 20 % due to nature of production process.

#### Notes relating to the use of Fibrellok geotextile products

1. Fibrellok reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves that the above data is current.
3. The above figures are average values obtained from testing to current EN geotextile test standards. Although not guaranteed, these results do to the best of our knowledge, offer a true and accurate record of the products performance.
4. Polyester is the constituent polymer used in the production of the HS geotextile range.
5. Fibrellok cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request

#### Other grades of geotextile within the Fibrellok range include:

- Standard Grade & Highflow Woven fabrics and Thermally Bonded and Needleponched Nonwovens.

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