WREKIN GEOSYNTHETICS

SPECIFICATION GUIDE

WREKIN FASTRACK

FASTRACK HS RANGE – High Strength Woven Geotextile

Mechanical Properties	Test	Units	110/50	110/110	165/50	165/165	220/50	220/220	330/50	440/50
Tensile Strength - MD	EN ISO 10319	kN/m	110	110	165	165	220	220	330	440
Tensile Strength - XD	EN ISO 10319	kN/m	50	110	50	165	50	230	50	50
Strength (2% elongation) MD/CD	EN ISO 10319	kN/m	20/8	20/20	30/6	30/30	34/6	45/45	50/10	90/10
Strength (5% elongation) MD/CD	EN ISO 10319	kN/m	61/26	61/61	87/20	75/75	95/20	95/95	100/20	245/20
Elongation at break - MD	EN ISO 10319	%	10	10	10	10	10	10	10	10
Elongation at break - XD	EN ISO 10319	%	10	10	10	10	10	10	10	10
CBR Puncture Resistance	EN ISO 12236	N	6 000	8 000	7 000	14 000	7 500	21 000	8 000	10 000
Dynamic Cone Drop	EN ISO 13433	mm	15	15	15	25	15	28	25	20

Hydraulic Properties	Test	Units	110/50	110/110	165/50	165/165	220/50	220/220	330/50	440/50
Permeability	EN ISO 11058	m/s	25×10^{-3}	25×10^{-3}	15×10^{-3}	20×10^{-3}	10×10^{-3}	30×10^{-3}	9×10^{-3}	8×10^{-3}
Waterflow Normal to the Plane	EN ISO 11058	l/m².s	25	25	15	20	10	30	9	8
Characteristic Opening Size	EN ISO 12956	µm	300	250	175	190	120	400	100	150

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 9863-1	mm	0.45	0.55	0.5	0.7	0.65	1.15	1.30	1.30
Weight	EN 9864	g/m^2	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%)		m²	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

Notes relating to the use of Wrekin geotextile products

1. Wrekin 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. Polypropylene is the constituent polymer used in the production of the SG geotextile range.
5. Wrekin 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 Wrekin range include:

- Highflow & Highstrength Woven fabrics and Thermally Bonded and Needlepunched Nonwovens

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