



0338

No011-DoP-2017-12-05

Standard Number	Title	Intended Uses
EN 13249:2016	Geotextiles for roads and other trafficked areas	F, F + S
EN 13250:2016	Geotextiles for railways	F, F + S
EN 13251:2016	Geotextiles for earthworks, foundations and retaining structures	F, F + S
EN 13252:2016	Geotextiles for drainage systems	F, F + S
EN 13253:2016	Geotextiles for erosion control works	F, F + S
EN 13254:2016	Geotextiles for reservoirs and dams	F, F + S, P
EN 13255:2016	Geotextiles for canals	F, F + S, P
EN 13256:2016	Geotextiles for tunnels and underground structures	P
EN 13257:2016	Geotextiles for solid waste disposal	F, F + S, P
EN 13265:2016	Geotextiles for liquid waste disposal	F, P

Essential Characteristics	Method	Units	Performance	Confidence Limit
Tensile strength	BS EN ISO 10319	kN/m	MD 60 / CMD 60	-6
Elongation	BS EN ISO 10319	%	MD 80 / CMD 80	±30
Dynamic perforation	BS EN ISO 13433	mm	1	+2
Resistance to static puncture	BS EN ISO 12236	kN	11	-1.1
Opening size	BS EN ISO 12956	µm	<69	N/A
Water permeability	BS EN ISO 11058	m/s	35.10 <sup>-3</sup>	-7.10 <sup>-3</sup>
Protection efficiency	BS EN ISO 13719	kN/m <sup>2</sup>	39.10 <sup>3</sup>	-5.10 <sup>3</sup>
Pyramid puncture	BS EN ISO 14574	N	1250	-375
Dangerous substances	National Regulations in force in EU Member States	-	Less than required by national regulations in EU Member States	-

#### Durability

To be covered within 1 month after installation (EN 12224).

Predicted to be durable for service lives up to 100 years in natural soils with  $4 \leq \text{pH} \leq 9$  and soil temperatures  $\leq 25^\circ \text{C}$  on the basis of the results of the test method EN ISO 13438 procedure A and test duration of 112 days.

**System 2+:** Notified factory production control certification body No. 0338 BTTG performed the initial inspection of the manufacturing plant and of factory production control (FPC) and the continuous surveillance, assessment and evaluation of FPC and issued the certificate of conformity of the FPC.

The performance of the product HPS11 is in conformity with the declared performance in the table above.

This declaration of performance is issued under the sole responsibility of the manufacturer GEOfabrics Limited.

#### Signed on behalf of GEOfabrics Limited by:



Clare Harvey - Compliance Manager

#### Place and date of issue:

Leeds, West Yorkshire 05/12/2017