



1213

No021-DoP-2021-03-18

British Standard	Title: Geotextiles and geotextile-related products	Intended Use
EN 13249:2016	Characteristics required for use in the construction of roads and other trafficked areas	F, F + S
EN 13250:2016	Characteristics required for use in the construction of railways	F, F + S
EN 13251:2016	Characteristics required for use in earthworks, foundations and retaining structures	F, F + S
EN 13252:2016	Characteristics required for use in drainage systems	F, F + S
EN 13253:2016	Characteristics required for use in erosion control works	F, F + S
EN 13254:2016	Characteristics required for use in construction of reservoirs and dams	F, F + S, P
EN 13255:2016	Characteristics required for use in the construction of canals	F, F + S, P
EN 13256:2016	Characteristics required for use in the construction of tunnels & underground structures	P
EN 13257:2016	Characteristics required for use in solid waste disposal	F, F + S, P
EN 13265:2016	Characteristics required for use in liquid waste containment projects	F, P

Essential Characteristics	Test Standard	Units	Performance	Confidence Limit
Tensile strength	BS EN ISO 10319	kN/m	MD 205 / CMD 205	-20.5
Elongation at maximum load	BS EN ISO 10319	%	MD 80 / CMD 80	±30
Dynamic perforation resistance	BS EN ISO 13433	mm	0	+1
Resistance to static puncture	BS EN ISO 12236	kN	40	-3
Characteristic opening size	BS EN ISO 12956	µm	69	±13
Water permeability normal to the plane	BS EN ISO 11058	l/(m ² -s)	5	-2
Protection efficiency	BS EN 13719	kN/m ²	210000	-63000
Pyramid puncture resistance	BS EN 14574	N	13000	-3900
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. 1213 SKZ-Testing GmbH 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 HPS40 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 for and on behalf of Geofabrics Limited by:

Alessandro Sartori - Technical Manager

Place and date of issue:

Leeds, West Yorkshire 18/03/2021

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