



1213

No087-DoP-2021-03-22

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, D
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
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 (1)	BS EN ISO 10319	kN/m	MD 90 / CMD 90	-9
Elongation at maximum load (2)	BS EN ISO 10319	%	MD 80 / CMD 80	±30
Dynamic perforation resistance (2)	BS EN ISO 13433	mm	0	+1
Resistance to static puncture (1)	BS EN ISO 12236	kN	17	-1.7
Characteristic opening size (2)	BS EN ISO 12956	µm	69	±13
Water permeability normal to the plane (2)	BS EN ISO 11058	l/(m ² ·s)	15	-3
Protection efficiency (2)	BS EN 13719	kN/m ²	56000	-16800
Pyramid puncture resistance (2)	BS EN 14574	N	3100	-930
Water flow capacity in the plane (rigid/rigid) (3)	BS EN ISO 12958	l/(m·s)	2.2	-0.22
Dangerous substances	National Regulations in force in EU Member States	-	Less than required by national regulations in EU Member States	-

Notes

- 1) Property relates to the geocomposite.
- 2) Property relates to the geotextile filter layer.
- 3) Property relates to the geonet component.

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 LFX17 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 22/03/2021

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