



1213

No009-DoP-2021-03-15

| 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 45 / CMD 45 | -4.5 |
| Elongation at maximum load | BS EN ISO 10319 | % | MD 80 / CMD 80 | ±30 |
| Dynamic perforation resistance | BS EN ISO 13433 | mm | 2 | +2 |
| Resistance to static puncture | BS EN ISO 12236 | kN | 8 | -0.8 |
| Characteristic opening size | BS EN ISO 12956 | µm | 70 | ±30 |
| Water permeability normal to the plane | BS EN ISO 11058 | l/(m ² -s) | 45 | -9 |
| Protection efficiency | BS EN 13719 | kN/m ² | 30000 | -9000 |
| Pyramid puncture resistance | BS EN 14574 | N | 835 | -250 |
| 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 HPS8 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 15/03/2021

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