



1213

No034-DoP-2022-03-04

Standard	Title: Geotextiles and geotextile-related products	Intended Use
EN 13250:2016	Characteristics required for use in the construction of railways	F, F + S, R

Essential Characteristics	Test Standard	Units	Performance	Confidence Limit
Tensile strength (1)	BS EN ISO 10319	kN/m	MD 30 / CMD 30	-3
Elongation at maximum load (1)	BS EN ISO 10319	%	MD 12 / CMD 12	±4
Dynamic perforation resistance (2)	BS EN ISO 13433	mm	13	+3
Resistance to static puncture (2)	BS EN ISO 12236	kN	3.3	-0.3
Characteristic opening size (2)	BS EN ISO 12956	µm	60	±30
Water permeability normal to the plane (2)	BS EN ISO 11058	l/(m <sup>2</sup> ·s)	50	-20
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 geogrid component.
- 2) Property relates to the geotextile filter layer.

**Durability**

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

Predicted to be durable for service lives up to 50 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 56 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 RK4 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 04/03/2022



No034-UKDoP-2022-03-04

Standard	Title: Geotextiles and geotextile-related products	Intended Use
EN 13250:2016	Characteristics required for use in the construction of railways	F, F + S, R

Essential Characteristics	Test Standard	Units	Performance	Confidence Limit
Tensile strength (1)	BS EN ISO 10319	kN/m	MD 30 / CMD 30	-3
Elongation at maximum load (1)	BS EN ISO 10319	%	MD 12 / CMD 12	±4
Dynamic perforation resistance (2)	BS EN ISO 13433	mm	13	+3
Resistance to static puncture (2)	BS EN ISO 12236	kN	3.3	-0.3
Characteristic opening size (2)	BS EN ISO 12956	µm	60	±30
Water permeability normal to the plane (2)	BS EN ISO 11058	l/(m <sup>2</sup> ·s)	50	-20
Dangerous substances	National Regulations in force in the United Kingdom	-	Less than required by national regulations in the United Kingdom	-

**Notes**

- 1) Property relates to the geogrid component.
- 2) Property relates to the geotextile filter layer.

**Durability**

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

Predicted to be durable for service lives up to 50 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 56 days.

**System 2+:** Notified factory production control certification body No. 0120 SGS United Kingdom 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 RK4 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 04/03/2022