

Biaxial Geogrids

Technical Datasheet

Lotrak[®] biaxial geogrids provide excellent ground stabilisation and reinforcement for a wide variety of civil engineering and construction projects. Through the interlock mechanism, Lotrak[®] geogrids are specifically designed to control the movement of aggregate materials.

Using a geogrid as part of a civil engineering or construction project results in a significant reduction to the quantity of required fill material, as Lotrak[®] geogrids can increase the bearing capacity of the underlying ground offering enhanced performance and cost benefits to the overall project.

Product Features

- ▶ The high strength and with low elongation of Lotrak[®] provides effective ground reinforcement
- ▶ The aperture design of Lotrak[®] geogrids enables aggregate materials to interlock and encourages load dispersal
- ▶ Lotrak[®] geogrids are manufactured under ISO Quality Management and the Construction Products Regulation

Benefits

- ▶ Excellent Soil & Aggregate Confinement
- ▶ High Tensile Strength
- ▶ High-performance Reinforcement
- ▶ Cost Effective Design Component



TEST	STANDARD		LOTTRAK®			
			20/20S	30/30S	40/40S	30/30L
Product			20/20S	30/30S	40/40S	30/30L
Tensile Strength (kN/m)	EN 10319	MD	20	30	40	30
		CD	20	30	40	30
Tensile Strength at 2% strain (%)	EN 10319	MD	7	12	15	10
		CD	7	12	15	9
Tensile Strength at 5% strain (%)	EN 10319	MD	14	22	30	21
		CD	14	22	30	20
Elongation at max. load (%)	EN 10319	MD	15	12	9	12
		CD	11	12	10	9
Grid Opening Size (mm)			36 x 36	36 x 36	36 x 36	60 x 60
Effect of UV Light			The polypropylene (PP) used contains a UV inhibitor			
Roll Size (m)			3.95 x 50	3.95 x 50	3.95 x 50	3.95 x 50

All products are manufactured under BS EN ISO 9001.

Notes & Declaration

Please note that the product is to be covered within 1 month of installation. Lotrak range of geogrids are predicted to be durable for more than 100 years in soil temperatures $\leq 25^{\circ}$ and have a carbon black content of $\geq 2\%$. The Lotrak range of geogrids are resistant to highly acid and alkaline environments on the basis of a durability assessment. Due to manufacturing and transportation circumstances, please note that the widths of Lotrak geogrids have a tolerance of (+0.0/-0.1). In regard to dangerous substances, Don & Low Lotrak geogrids contain less than required by national regulations in EU member states.

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