

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	LOTRAK [®]				
		20/20S	30/30S	40/40S	30/30L	
Product						
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	10	14	10
		CD	8	10	14	9
Tensile Strength at 5% strain (%)	EN 10319	MD	15	21	25	21
		CD	17	23	29	20
Elongation at max. load (%)	EN 10319	MD	12	12	10	10
		CD	9	9	9	9
Grid Opening Size (mm)		40x40	40x40	40x40	60x60	
Effect of UV Light		The polypropylene (PP) used contains a UV inhibitor				
Roll Size (m)		Width	3.95	3.95	3.95	3.95
		Length	50	50	50	50



All products are manufactured under BS EN ISO 9001.

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