

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®				
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	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	4	4	4	4
		Length	50	50	50	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.

Don & Low reserves the right to change specifications or other product information. Don & Low accepts no responsibility or liability for information provided by third parties. No warranties, express or implied, are offered regarding the suitability of any product for your use, as site conditions and customer requirements vary. Should you require further information, please contact us. Products are sold subject to the seller's terms and conditions of sale. No warranty or immunity is offered against infringement of patents or other intellectual property rights. ©Don & Low Limited, 2023. The intellectual property in the products is owned and protected by Don & Low or its licensors.