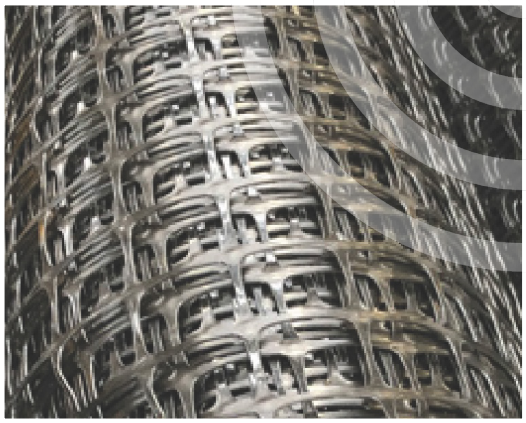
Geosynthetics
Engineered Solutions



Product Data Sheet

INTERLOCK ILX

Interlock Geogrids are manufactured from highly orientated (punched and stretched) monolithic polypropylene sheets with integral nodes, specifically for the reinforcement and stabilisation of unbound granular soils. The junctions and rib geometry facilitate mechanical interlock with the granular soil layers.

Functions: Interlock Geogrids are robust - they have a tensile strength at high levels of strain, to provide the necessary reinforcement function, to resist installation damage during the initial construction phase. Interlock Geogrids are stiff - they have a high modulus at low levels of strain, to provide the required stabilisation function, to enhance or maintain the foundation stiffness whilst in-service.

Application and Installation: Interlock Geogrids are used in multiple foundation solution applications, in both temporary works and permanent works.

PRODUCT	ULTIMATE TENSILE STRENGTH (KN/M) (2)		TENSILE LOAD (KN/M)				RADIAL STIFFNESS @0.5% (KN/M) (2)	JUNCTION EFFICIENCY (%) (4)
			5% STRAIN		2% STRAIN			
	MD	TD	MD	TD	MD	TD		
Interlock ILX 20 30	20	20	14.0	14	7	7	390	≥ 93%
Interlock ILX 30	30	30	21.0	21.0	10.5	10.5	580	≥ 93%
Interlock ILX 40	40	40	28.0	28.0	14.0	14.0	760	≥ 93%

Note 1: Carbon black content included to give a predicted product life ≥ 50 years, when used in natural soils with 4 ≤ pH ≤ 9 and temperatures ≤ 25 Deg.C.

Note 2: All strength and load figures are based on test results from the manufacturer's laboratory in accordance with ISO10319 at the temperature of 21+10C. Unless indicated otherwise, values shown are MARV determined in accordance with ASTM D-4759.

Note 3: Other roll sizes are available to order.

Note 4: Measured by comparing the results of tests in accordance with test methods GRI-GG1 and GRI-GG2.

PRODUCT	ROLL SIZE	AREA	WEIGHT
Interlock ILX 20	4m x 50m	200m²	37Kg
Interlock ILX 30	4m x 50m	200m²	55Kg
Interlock ILX 40	4m x 50m	200m²	79Kg

CE

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