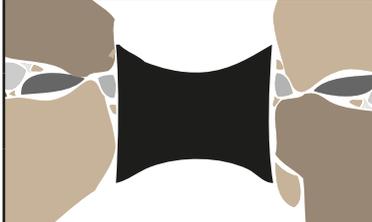
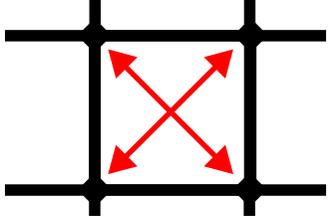
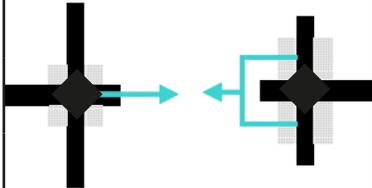
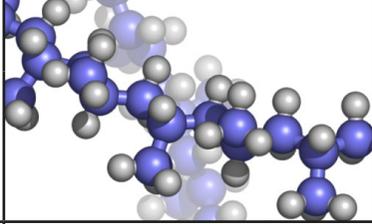


KEY GEOGRID ATTRIBUTES

ATTRIBUTE	PRODUCT		EXPLANATION	
Height of rib	E'GRID 2020	1.6mm	A higher rib height gives a greater vertical surface for the stone to lock up against and thus more effectively transfer stresses from the stone to the grid. E'GRID is designed and manufactured to optimise this rib height.	
	E'GRID 3030	2.4mm		
	E'GRID 4040	3.2mm		
Aperture area	E'GRID 2020	84%	The greater the open area of the grid the more space is available for the stone to penetrate and interlock with the grid. E'GRID is designed and manufactured to optimise this open area.	
	E'GRID 3030	84%		
	E'GRID 4040	84%		
Tensile Load @ 2% strain (KN/M)	E'GRID 2020	7.6 x 7.6	This is a measure of the stiffness of the grid and therefore its ability to confine the soil at low strain (2%). The higher the load the better the grid can hold the soil together at the typically low strain conditions that exist under a load.	
	E'GRID 3030	11 x 11		
	E'GRID 4040	14.5 x 15		
Tensile Load @ 5% strain (KN/M)	E'GRID 2020	15.3 x 15.3	This is a measure of the stiffness of the grid and therefore its ability to confine the soil at low strain (5%). The higher the load the better the grid can hold the soil together at the typically low strain conditions that exist under a load.	
	E'GRID 3030	21.6 x 21.6		
	E'GRID 4040	28 x 29		
Junction efficiency	E'GRID 2020	>= 95%	The junction efficiency (the junction's strength compared with the tensile strength of the rib) of a biaxial geogrid is determined from the results of two tests developed by the Geosynthetics Research Institute, Philadelphia, USA. GRI GG1 measures the strength of an individual rib of the geogrid. GRI GG2 measures the shear strength of a pair of junctions on either side of a rib. The Junction Efficiency is the ratio of the mean GG2 test result to the mean GG1 test result. The higher the efficiency the better the grid will perform in retaining and interlocking.	
	E'GRID 3030	>= 95%		
	E'GRID 4040	>= 95%		
Carbon Black content	E'GRID 2020	2%	Polypropylene in its natural form is subject to UV degradation. Carbon black is added to counter this.	
	E'GRID 3030	2%		
	E'GRID 4040	2%		
Raw material	E'GRID 2020	Virgin PP and internally generated manufacture recycle	Control of the raw material is essential to ensure consistent and controlled grid properties. It is more difficult to know the provenance and therefore the properties of externally sourced recycle.	
	E'GRID 3030	Virgin PP and internally generated manufacture recycle		
	E'GRID 4040	Virgin PP and internally generated manufacture recycle		
ISO 9001 Certificate number	E'GRID 2020	00611Q21194R3M	ISO9001 details the steps necessary to adopt a Quality Management System (QMS) in line with the International Standards Organisation (ISO). ISO9001 is designed to help organisations ensure they meet the needs and expectations of both customers and other interested parties. Third party certification bodies offer independent confirmation that an organisation meets the requirements of the Standard. This is achieved through an auditing process that involves gathering evidence of conformance to the requirements of each clause of the standard.	
	E'GRID 3030	00611Q21194R3M		
	E'GRID 4040	00611Q21194R3M		
CE Mark Certification number	E'GRID 2020	0338 CPD 313	The CE mark is required for a grid to be sold legally in the EU from 1st July 2013. A declaration of performance for its regulated characteristics (defined in its harmonised standard) must be drawn up. The manufacturer, by drawing up his DoP, assumes the responsibility for the conformity of the grid with the declared performance. The application of the CE mark follows the DoP and effectively certifies that the manufacturer has strictly followed all the applicable procedures in drawing up his DoP and that, consequently, the DoP is accurate and reliable.	
	E'GRID 3030	0338 CPD 313		
	E'GRID 4040	0338 CPD 313		