

PARAGRID™ - CMD 05

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

PARAGRID	30/05	40/05	50/05	65/05	80/05	90/05	100/05	120/05	135/05	150/05	175/05	200/05	
Mechanical properties													
UTS - longitudinal *	kN/m	37	47	57	71	86	96	106	130	145	160	185	212
Tolerance *	kN/m	-7	-7	-7	-6	-6	-6	-6	-10	-10	-10	-10	-12
Strip tensile strength - (longitudinal)	kN	2.25	3.00	3.75	4.85	6.00	6.75	7.50	9.00	10.15	11.25	13.10	15.00
UTS - transverse *	kN/m	6	6	6	6	6	6	6	6	6	6	6	6
Tolerance *	kN/m	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Nominal strain at T _{ch} (longitudinal & transverse)	%	9	9	9	9	9	9	9	9	9	9	9	9
Physical properties													
Strip reinforcement polymer		PET	PET	PET	PET	PET	PET	PET	PET	PET	PET	PET	PET
Strip coating polymer		PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE
Thickness	mm	0.7	0.7	0.8	0.9	1.1	1.1	1.2	1.4	1.4	1.4	1.4	1.7
Strip width (longitudinal)	mm	24	24	24	24	24	24	24	33	33	33	33	33
Mesh size	mm	426x51	426x51	426x51	426x51	426x51	426x51	426x51	426x42	426x42	426x42	426x42	426x42
Roll length	m	100	100	100	80	80	80	80	50	50	50	50	50
Roll width	m	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90
Roll diameter	m	0.41	0.41	0.41	0.40	0.45	0.45	0.45	0.34	0.35	0.36	0.36	0.40
Roll weight	kg	93	99	105	107	108	134	140	116	123	131	139	147

ParaGrid geogrids are planar structures consisting of a biaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. The geocomposite is CE certified for reinforcement applications and approved by the BBA to comply with the design done according to the BS8006 and to meet the requirements of Highways England and local Highway authorities.

* Short-term tests in accordance with EN ISO 10319:2008. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T_{ch}) in accordance with EN 13251:2001

NOTE
Special products can be manufactured on request for specific projects. The white columns are the standards products mostly available on stock; the coloured columns are special products to be manufactured on request and generally not available on stock.



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