

## PARAGRID™ - CMD 15

### STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

PARAGRID 30/15 40/15 50/15 60/15 70/15 80/15 90/15 100/15 110/15 125/15 150/15 175/15 180/15 200/15

Mechanical properties		30/15	40/15	50/15	60/15	65/15	70/15	80/15	90/15	100/15	110/15	125/15	150/15	175/15	180/15	200/15	
UTS - longitudinal *	kN/m	37	47	57	66	71	76	86	96	106	116	135	160	185	190	212	
Tolerance*	kN/m	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-10	-10	-10	-10	-12	
Strip tensile strength (longitudinal)	kN	2.25	3.00	3.75	4.50	4.85	5.25	6.00	6.75	7.50	8.25	9.35	11.25	13.10	13.50	15.00	
UTS - transverse *	kN/m	17	17	17	17	16	16	17	17	17	17	17	17	17	17	17	
Tolerance *	kN/m	-2	-2	-2	-2	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	
Nominal strain at T <sub>ch</sub> (both directions)	%	9	9	9	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	PET	PET	PET	PET
Strip coating polymer		PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE
Thickness	mm	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.7	
Strip width (longitudinal)	mm	24	24	24	24	24	24	24	24	24	24	33	33	33	33	33	
Mesh size	mm	201x51	201x51	201x51	201x51	201x51	201x51	201x51	201x51	201x51	201x51	201x42	201x42	201x42	201x42	201x42	
Roll length	m	50	50	50	50	50	50	50	50	50	50	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	3.90	3.90	3.90	
Roll diameter	m	0.28	0.29	0.29	0.30	0.30	0.31	0.32	0.34	0.34	0.34	0.34	0.36	0.36	0.36	0.40	
Roll weight	kg	74	76	81	83	86	89	95	98	105	109	116	141	152	155	162	

ParaGrid geogrids are planar structure 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<sub>ch</sub>) in accordance with EN 13251:2001

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



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