	Product Specification	Version: Apr-21
built on relationships	Collection : Eclipse Porcelain	
	Size (mm) - 600 x 600mm	Thickness (mm) - 20mm

Compliant with standard BS EN 14411:2016 Annex G group Bla - UGL

Domestic use only; hardstanding for pedestrian pavements including home patios, pathways and internal floor coverings. They are not designed for vehicular trafficking or overrun. (Please see www.brettpaving.co.uk for further guidance)

Technical Features	Testing Method	Meas. Unit	Average Typical Values	Permitted Tolerances
DIMENSIONAL PROPERTIES AND SURFACE QUALITY				
Nominal Dimensions	ISO 10545-2	N (mm)	600 x 600	Nominal Length of edge N≥150mm
Work Size (W)		N% (mm)	595 x 595	± 2% (max 5mm)
Work Size deviation		W% (mm)	Compliant	± 0.6% (max ±2mm)
Thickness		(mm)	20	± 5% (max ±0.5mm)
Straightness of sides		W% (mm)	Compliant	± 0.5% (max ±1.5mm)
Rectangularity		W% (mm)	Compliant	± 0.5% (max ±2mm)
Surface Flatness - c.c / e.c / w*		W% (mm)	Compliant	± 0.5% (max ±2mm)
Surface Quality		%	Compliant	≥ 95%
PHYSICAL PROPERTIES				
Water absorption	ISO 10545-3	%	< = 0.5	Eb ≤ 0.5 (Individual maximum value 0.6%)
Modulus of rupture	ISO 10545-4	N/mm2	> = 45	R ≥ 35 (Individual minimum value 32 N/mm²)
Breaking strength	ISO 10545-4	N	> = 10000	≥ 1300 (Thickness ≥ 7.5mm)
Resistance to deep abrasion	ISO 10545-6	mm³	< = 175	≤ 175mm³
Resistance to surface abrasion	Internal Method		Intended use - Class H	
Linear thermal expansion coefficient	ISO 10545-8	x(10)-6/°C	< = 9	Declared value (BS EN 14411:2016) Testing method available (ISO 13006:2018)
Thermal shock resistance	ISO 10545-9		Compliant	Declared value (BS EN 14411:2016) **** Testing method available (ISO 13006:2018)
Frost resistance	ISO 10545-12		Compliant	Pass according to BS EN 10545-1 (EN 14411:2016) Required (ISO 13006:2018)
Slip Resistance (Pendulum)	BS 7976-2:2002		> 36 Slip Potential-LOW	0-24 - High / 25-35 Moderate / 36+ Low
Slip Resistance (Ramp Method)	DIN 51130		R11	From R9 to R13
Reaction to fire	-		Class A1 FL / A1	Class A1 or A1 FL
CHEMICAL PROPERTIES				
Stain Resistance	ISO 10545-14		Class 5	Declared value (BS EN 14411:2016) Testing method available (ISO 13006:2018)
Resistance to chemicals for household use and swimming pool salts	ISO 10545-13		A	UB Minimum (EN 14411:2016) UB Minimum (ISO 13006:2018)
Resistance to low concentrations of acids and alkalis	ISO 10545-13		LA - LB	Declared value (BS EN 14411:2016) Testing method available (ISO 13006:2018)
Resistance to high concentrations of acids and alkalis	ISO 10545-13		HA - HB	Declared value (BS EN 14411:2016) Testing method available (ISO 13006:2018)
Pack Information				
Size	No. Per Pack	No. Per m2	m2 Per Pack	Pack Weight kg
600 x 600 x 20mm	64	2.73	23.43	1070

* c.c = centre curvature, related to diagonal calculated from the work sizes
e.c = edge curvature, related to the corresponding work sizes
w = warpage, related to diagonal calculated from the work sizes