

	Product Specification			Version: Apr-21
	Collection : Eden Slate Porcelain			
	Size (mm) - Single Size	1000 x 500mm	Thickness (mm) - 20mm	
	Size (mm) - Patio Pack	500 x 500mm 500 x 250mm 250 x 250mm	Thickness (mm) - 20mm	

Compliant with standard BS EN 14411:2016 Annex G Group Bla - GL

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.brett paving.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)	1000 x 500 500 x 500 500 x 250 250 x 250	Nominal Length of edge $N \geq 150\text{mm}$
Work Size (W)		N% (mm)	995 x 495 495 x 495 495 x 245 245 x 245	$\pm 2\%$ (max 5mm)
Work Size deviation		W% (mm)	Compliant	$\pm 0.6\%$ (max $\pm 2\text{mm}$)
Thickness		(mm)	20	$\pm 5\%$ (max $\pm 0.5\text{mm}$)
Straightness of sides		W% (mm)	Compliant	$\pm 0.5\%$ (max $\pm 1.5\text{mm}$)
Rectangularity		W% (mm)	Compliant	$\pm 0.5\%$ (max $\pm 2\text{mm}$)
Surface Flatness - c.c / e.c / w*		W% (mm)	Compliant	$\pm 0.5\%$ (max $\pm 2\text{mm}$)
Surface Quality		%	Compliant	$\geq 95\%$
PHYSICAL PROPERTIES				
Water absorption	ISO 10545-3	%	≤ 0.5	$E_b \leq 0.5$ (Individual maximum value 0.6%)
Modulus of rupture	ISO 10545-4	N/mm ²	≥ 35	$R \geq 35$ (Individual minimum value 32 N/mm ²)
Breaking strength	ISO 10545-4	N	≥ 10000	≥ 1300 (Thickness $\geq 7.5\text{mm}$)
Resistance to deep abrasion	ISO 10545-6	mm ³	≤ 175	$\leq 175\text{mm}^3$
Resistance to surface abrasion	Internal Method		Intended use - Class H	
Linear thermal expansion coefficient	ISO 10545-8	$\times(10)^{-6}/^{\circ}\text{C}$	≤ 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 m ²	m ² Per Pack	Pack Weight kg
1000 x 500 x 20mm	40	1.97	20.30	920
500 x 500 x 20mm	48	N/A		
500 x 250 x 20mm	48	N/A	21.54	981
250 x 250 x 20mm	48	N/A		

* 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