	Product Specification		
	Collection :	Elegante Basalt	
	Size (mm) -	1000x500mm	Thickness (mm) - 20mm

Compliant with standard BS EN 14411:2016 Annex G - Ceramic tiles with low water absorption of Group BIa (Eb≤ 0.5%)

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	Nominal Length of edge N≥150mm
Work Size (W)		N% (mm)	995 x 495	± 2% (max 5mm)
Work Size deviation		W% (mm)	Compliant	± 0.6% (max ±2mm)
Thickness		(mm)	20	± 5% (max ±2mm)
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	%	< = 0.05	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	> = 11000	≥ 1300 where thickness ≥ 7.5mm
Resistance to deep abrasion	ISO 10545-6	mm³	120 - 150	≤ 175mm³
Resistance to surface abrasion	ISO 10545-7		Class 5	As defined in Annex N : BS EN 14411:2016
Linear thermal expansion co-efficient	ISO 10545-8	x(10)-6/°C	< = 9	Declared value (BS EN 14411:2016) Testing method available (ISO 13006:2012)
Thermal shock resistance	ISO 10545-9		Compliant	Pass according to BS EN 10545-1
Frost resistance	ISO 10545-12		Compliant	Pass according to BS EN 10545-1
Slip Resistance (Pendulum)	BS 7976-2:2002		> 36	0-24 - High / 25-35 Moderate / 36+ Low
Slip Resistance (Ramp Method)	DIN 51130		R11	From R9 to R13
Moisture expansion	ISO 10545-10	mm/m		
Impact resistance	ISO 10545-5	COR		
Reaction to fire	-		Class A1FL	BS EN 14411:2016 - For Internal use only
CHEMICAL PROPERTIES				
Stain Resistance	ISO 10545-14		Class 5	Declared value (BS EN 14411:2016) Testing method available (ISO 13006:2012)
Resistance to chemicals for household use and swimming pool salts	ISO 10545-13		UA	UB Minimum (EN 14411:2016) UB Minimum (ISO 13006:2012)
Resistance to low concentrations of acids and alkalis	ISO 10545-13		ULA	Declared value (BS EN 14411:2016) Testing method available (ISO 13006:2012)
Resistance to high concentrations of acids and alkalis	ISO 10545-13		UHA	Declared value (BS EN 14411:2016) Testing method available (ISO 13006:2012)

* 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