






PetraSlate®
Tile & Stone

PetraSlate Tile & Stone
4355 Monaco St.
Unit B
Denver, CO 80216
303.280.9595
orders@petraslate.com



VITERBO

	Size: 200X200mm	 
	Thickness: 10mm	
	PT02840	Different pieces: 4

CHARACTERISTICS	Requirements according to nominal dimension N			STANDARD
	7cm≤N<15cm	N≥15cm		
	(mm)	(%)	(mm)	
SIZE AND APPEARANCE				
LENGTH AND WIDTH				
Admissible deviation in % of the average dimension of a single tile from the manufacturing dimension	±0,75mm	±0,5%	±2,0 mm	EN ISO 10545-2
THICKNESS				
Percent admissible deviation of the average thickness of a single tile from the manufacturing thickness.	±0,5mm	±10%	±0,5mm	EN ISO 10545-2
STRAIGHTNESS OF EDGES				
Admissible deviation of the maximum single value in %with reference to the manufacturing dimension.	±0,5mm	±0,3%	±1,5 mm	EN ISO 10545-2
SQUARENESS				
Admissible deviation of the maximum single value in %with reference to the manufacturing dimension.	±0,75mm	±0,5%	±2 mm	EN ISO 10545-2
FLATNESS				
Central curvature relative to the diagonal calculated with the manufacturing dimension.	´+0,75mm ´-0,5mm	´+0,5% ´-0,3%	´+2,0mm ´-1,5mm	EN ISO 10545-2
Lateral curvature relative to the manufacturing dimension.	´+0,75mm ´-0,5mm	´+0,5% ´-0,3%	´+2,0mm ´-1,5mm	EN ISO 10545-2
Warp relative to the with the diagonal calculate with the manufacturing dimension	±0,75mm	±0,5%	±2,0 mm	EN ISO 10545-2
PHYSICAL PROPERTIES				
WATER ABSORTION				
% weight	Average> 10% if more than 20% must be indicated by manufacturer.			EN ISO 10545-3
BREAKING STRENGTH (N)				

Thickness ≥ 7,5mm	> 600 N	EN ISO 10545-4
Thickness <7,5mm	>200 N	EN ISO 10545-4
BENDING STRINGTH		
Thickness ≥ 7,5mm	>12N/mm2	EN ISO 10545-4
Thickness <7,5mm	Minimum indiv.15 N/m2	EN ISO 10545-4
RESISTANCE TO SURFACE ABRASION	Class3	EN ISO 10545-7
RESISTANCE TO SLIDING	Class 0	UNE ENV12633
THERMAL SHOCK RESISTANCE	Satisfy	EN ISO 10545-9
CRAZING RESISTANCE	Satisfy	EN ISO 10545-11
ADHESIVES		
Cementitious adhesives	>0,5N/mm2	EN 12004:2007 +A1:2012, 4.1
FIRE REACTION	Class A1	–
CHEMICAL PROPERTIES		
STAIN RESISTANCE	Class 5	EN ISO 10545-14
CHEMICAL RESISTANCE		
Acid and alkali resistance of low concentration. - (3%v/v). Hydrochloric Acid . - (100g/l). Citric Acid - (30g/l). Potassium Hydroxide	GLA	EN ISO 10545-13
Acid and alkali resistance of hight concentration. - (18%v/v). Hydrochloric Acid . - (5%v/v). Lactic Acid - (100g/l). Potassium Hydroxide	GHA	EN ISO 10545-13
Resistance to domestic products and salt for pools.	GA	EN ISO 10545-13
DANGEROUS SUBSTANCES EMISION		
a) Lead (en mg/dm2)	>0,1mg/dm2	EN ISO 10545-15
b) Cadmium (en mg/dm2)	>0,1mg/dm2	EN ISO 10545-15
DURABILITY	Satisfy	–