

Thickness (mm) :18

Clay Panel Technical Specification

Characteristic	LOPO Specification	EN 14411:2012	Test Reference
Dimensions and surface quality			
Length	±1%/max.±1mm	±2%	
Width	±1%/max.±1.5mm	±2%	
Thickness	±10%/max.±1.0mm	±10%	
Straightness of Sides	±0.5%/max.(L:±2mm;W:±0.5mm)	±1%	
Rectangularity	±0.5%/max.±1mm	±1%	
Surface Flatness			ISO10545-2
	±1%	±1%	
	±1%	±1%	
	±1%	±1.5%	
Surface Quality	Fulfilled	A minimum of 95% shall be free from visible defects that would impair the appearance of a major area of tiles.	
Physical properties			
Water Absorption	3-7.5%	6-10%	ISO10545-3
Breaking Strength	Average>2700 N	≥750 N	ISO10545-4
Modulus of Rupture	Average>15 MPa	Average≥9 MPa	ISO10545-4
Abraision Resistance	<460 mm ³	Max. 1062 mm ³	ISO10545-6
Resistance to Thermal Shock	Fulfilled	Pass according to EN ISO 10545-1	ISO10545-9
Freeze-thaw Resistance	Fulfilled	Pass according to EN ISO 10545-1	ISO10545-12
Moisture Expansion	<0.02%	Declared value	ISO10545-10
Reaction to Fire	Class A1	Class A1 or A1FL	
Chemical properties			
Resistance to low concentrations of acids and alkalis	ULA	Declared value	ISO10545-13