

LOPO TERRACOTTA FAÇADE PANEL SPECIFICATIONS

Dimensions and Surface Quality

Length 400mm to 1,800mm	EN ISO 10545 / Part 2 Center in Hole Direction	$\pm 1.0\text{mm}$ for cuts
Height 150mm to 400mm (Natural Colors) 400mm to 700mm (Natural Colors)	EN ISO 10545 / Part 2 Opposite to hole direction	$\pm 2.0\text{mm}$ $\pm 3.0\text{mm}$
Thickness	EN ISO 10545 / Part 2 Deviation if surface is not natural flat.	$\pm 1.0\text{mm}$
Straightness in Hole direction	EN ISO 10545 / Part 2	$\pm 0.25\%$ of length
Diagonal Flatness	EN ISO 10545 / Part 2	$\pm 0.25\%$ of diagonal
Vertical Flatness Cross to Hole Direction	EN ISO 10545 / Part 2	$\pm 1.0\%$ of height
Surface Quality	EN ISO 10544/ Part 2	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.

Physical Properties

Water Absorption Color: All natural, approved colors	EN ISO 10545 / Part 3	3.0-7.0 %
Raw Density		2.1-2.23 kg/dm ³
Breaking Strength Thickness: 18mm 20mm 22mm	EN ISO 10545 / Part 4	>3500N >4000N >4500N

24mm		>5200N
30mm		>7200N
Modulus of Rupture	EN ISO 10545 / Part 4 Average	>25MPa
Elastic Modulus		≥20GPa
Abrasion Resistance	EN ISO 10545 / Part 6	<480mm ³
Linear Thermal Expansion	EN ISO 10545 / Part 8	<7x10 ⁻⁶ /k
Resistance to Thermal Shock	EN ISO 10545 / Part 9	Fully Resistant
Freeze/Thaw resistance	EN ISO 10545/ Part 12 (100 cycles)	Fulfilled
Moisture Expansion	EN ISO 10545/ Part 10	<0.06%
Reaction to Fire		Class A1
<u>Chemical Properties</u>		
Resistance to Staining	EN ISO 10545-14	Class 3
Resistance to Chemicals		
Low Concentrations of Acids and Alkalis	EN ISO 10545-13	ULA
Household Chemicals	EN ISO 10545-13	UA
Radio-nuclides	Internal Exposure Index	≤1.0
Class A	External Exposure Index	≤1.3

Remark: Due to our terracotta façade product being made from natural materials, small variations in colors, size and consistency from different batches are unavoidable. All other formats, dimensions and profiles are available on inquiry basis.