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LANKATILES
Fine Living Redefined

TECHNICAL SPECIFICATION

Glazed Vitrified Porcelain Floor Tiles produced by LANKA WALLTILES PLC comply with ISO 13006:2018(E) Annex G, BS EN 14411:2012 Annex G, SLS 1181:2019 Annex G standards.

SKU: FAYRHOM---X1002-5 **Series Name : HOMOGENEOUS** **Tile Size: 600x600mm** **Color -Pearl** **Surface: Satin Matt**

DIMENSIONS & SURFACE QUALITY	IMAGE	Test methods BS EN ISO	UNGLAZE PORCELAIN Annex G (ISO 13006) / G (EN 14411) / G (SLS 1181) Group Bla	TEST STATUS
Length & width		ISO 10545-2	+/-0.3%	Comply
Thickness		ISO 10545-2	+/-0.5 mm	
Straightness of sides		ISO 10545-2	+/-0.3%	
Centre curvature		ISO 10545-2	+/-0.4%	
Rectangularity		ISO 10545-2	+/-0.3%	
Surface quality		ISO 10545-2	Minimum of 95 % of tiles shall be free from visible defects that would impair the appearance of a major area of tiles.	
PHYSICAL PROPERTIES				
Water absorption		ISO 10545-3	< 0.5 %	Comply
Breaking strength		ISO 10545-4	Not less than 1300 N (Thickness ≥ 7.5mm)	
Modulus of rupture		ISO 10545-4	> 35 N/mm²	
Resistance to surface abrasion		ISO 10545-7	Reported abrasion class and cycles passed	Class 3
Scratch Resistance (Mohs Hardness Scale)		EN 101	Set by manufacturer	7
Resistance to Slip		ISO 10545-17	Set by manufacturer	R10
Colour resistance to light		ISO 10545-16	Resistant	Comply
THERMAL PROPERTIES				
Resistance to Thermal shock		ISO 10545-9	Required	Comply
Resistance to crazing		ISO 10545-11	Required	
Thermal expansion		ISO 10545-8	< 9.0 x 10^{-6} °C^{-1}	
Frost resistance		ISO 10545-12	Required	
Moisture expansion		ISO 10545-10	Nil	N/D
CHEMICAL PROPERTIES				
Resistance to staining		ISO 10545-14	Minimum class 3	Class 5
Resistance to low concentrations of acids		ISO 10545-13	Manufacturer to state classification	Class GLA
Resistance to low concentrations of alkalis		ISO 10545-13	Manufacturer to state classification	Class GLA
Display of Tiles		At least 4 tiles should be properly displayed		
Phases of Design		☒ Single Face ☐ Multiple Faces ☐ Random Faces		
APPLICATIONS		Recommended for residential, commercial and high-traffic public interiors such as malls, airports, hospitals, schools, offices and showrooms; kitchen and entrance floors; bathrooms, showers and wet rooms; and external areas such as terraces, balconies, car porches and garden paths. Not recommended for industrial floors with impact loads; or external ramps.		

Please be informed that the surface abrasion classification of tiles may vary depending on their design and color. Notably, tiles with darker tones are generally assigned lower abrasion classes, as signs of surface wear are more readily visible on such finishes.

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