


Mirage Terrazzo Porcelain – Technical Data

Dimensions 10mm thick:	30 x 60, 60 x 60, 60 x 120
Dimensions 20mm thick:	60 x 60 (not in Carrara colour)
Suitability:	Interior Floor, Walls and exterior walls in both residential and commercial applications.
Slip Resistance:	PTV 39 Wet (only in Nero Venato)

Primary strength is calculated by means of testing.

Characteristics and Test methods 	Requirements EN 14411 ⁽¹⁾ – G / ISO 13006 ⁽²⁾ - G	Our general values
Determination of water absorption - (ISO 10545-3)	Average value $E_w \leq 0,5\%$ / Individual maximum 0,6%	Average value and individual maximum < 0,5%
Classification	Definition § 3.2 and § 3.7	BI₁ – Porcelain tiles
		Physical properties
Modulus of rupture - (ISO 10545-4)	Average ≥ 35 N/mm ²	≥ 35 N/mm ²
Breaking strength - (ISO 10545-4)	Average ≥ 1300 N for thickness $\geq 7,5$ mm Average ≥ 700 N for thickness < 7,5 mm	Complies
Abrasion resistance - (ISO 10545-7)	Abrasion class and cycles passed	Class 0 - 5
Classification of abrasion resistance	Annex N	Class 4
Coefficient of linear thermal expansion (ISO 10545-8)	Declared value ⁽¹⁾ / Test method available ⁽²⁾	$< 7,1 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$
Thermal shock resistance (ISO 10545-9)	Pass according to EN ISO 10545-1 ⁽¹⁾ / Test method available ⁽²⁾	Complies
Crazing resistance (ISO 10545-11)	Pass according to EN ISO 10545-1 ⁽¹⁾ / Required ⁽²⁾	Complies
Frost resistance (ISO 10545-12)	Pass according to EN ISO 10545-1 ⁽¹⁾ / Required ⁽²⁾	Complies
Moisture expansion (ISO 10545-10)	Declared value ⁽¹⁾ / Test method available ⁽²⁾	$\leq 0,2$ mm/m
Small colour differences (ISO 10545-16)	$\Delta E_{cmc} < 0,75^{(1)}$	If agreed
Impact resistance - (ISO 10545-5)	Declared value ⁽¹⁾ / Test method available ⁽²⁾	COR > 0,75
Reaction to fire	Class A1 or A1 _{FL} ⁽¹⁾	A1_{FL} Classified Without Testing (CWT) – 96/603
		Chemical properties
Chemical resistance -(GL) (ISO 10545-13)		
Resistance to low and high concentrations of acids and alkalis	Declared value ⁽¹⁾ / Manufacturer is to state classification ⁽²⁾	Resistant (see "Maintenance and care" section)
Resistance to household chemicals and swimming pool salts	Minimum class B	G A
Resistance to staining (ISO 10545-14)	Minimum class 3	5 (see "Maintenance and care" section)
Release of dangerous substances (ISO 10545-15)	Declared value ⁽¹⁾ / Test method available ⁽²⁾	Pb < 0,1 / Cd < 0,01 mg/dm ²
		Dimensions and surface quality
Dimensions - (ISO 10545-2)	See ANNEX G	Complies
Surface quality - (ISO 10545-2 § 7)	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles	Complies

(1) Requirements according to EN 14411

(2) Requirements according to ISO 13006

Test methods	Requirements and references	Our general values
Determination of anti-slip properties – Workrooms and fields of activities with raised slip danger, walking method- Ramp test (DIN 51130) – Germany	BGR / ASR From R9 to R13	R 9
Determination of anti – slip properties. Wet-loaded barefoot areas – Walking method – Ramp test (DIN 51097) - Germany	GUV-I 8527 A – B – C	-
Dynamic Coefficient Friction wet and dry condition (BCR – ex BCRA) Italy	DM n. 236 / 1989 $\mu > 0,40$	$\mu > 0,40$
Scrath hardness of surface according to Mohs'	ex BS 6431-13 / ex EN 101	≥ 5