RINASCENZA / FLORIM

Fine porcelain stoneware
Rectified

6 mm 2/8"

Technical features

Dry-pressed ceramic tiles. Quality specifications, according to control tests of EN 14411-ISO 13006 Appendix G group Bla UGL			Standard requirements N ≥ 15 cm		Test results		Reference standard
			(%)	(mm)	MATTE	MATTE (tesserae)	
	Lenght and with: deviation of the average size for each tile from the work size	Squadrato ISO 13006	± 0,3%	± 1 mm	± 0,15%		ISO 10545-2
	Thickness: deviation of the average thickness of each tile form the work size thickness	Squadrato ISO 13006	± 5%	± 0,5 mm	± 5%		
	Straightness: maximum deviation to the corresonding work sizes	Squadrato ISO 13006	± 0,3%	± 0,8 mm	± 0,10%		
	Orthogonality: permissible deviation in relation to the corresponding manufacturing dimensions	Squadrato ISO 13006	± 0,3%	± 1,5 mm	± 0,20%		
	Flatness: center curvature, edge curvature, and warpage in relation to the corresponding manufacturing dimensions	Squadrato ISO 13006	± 0,4%	± 1,8 mm	0,20%		
	Surface quality	A minimun of 95% of the tiles are to be free from visible defects			Compliant		
	Water absorption, percent mass fraction	≤ 0,5%			Average value 0,08%		ISO 10545-3
	Breaking strength in N (thickness < 7.5 mm)	≥ 700			Average value 1350 N		ISO 10545-4
	Bending strength in N/mm^2	≥ 35			Average value 52 N/mm^2		
	Resistance to deep abrasion	≤ 175 mm^3			Average value 140 mm^3		ISO 10545-6
	Thermal shock resistance	Available testing method			Resistant		ISO 10545-9
	Resistance to staining	Available testing method			Class 5		ISO 10545-14
	Resistance to low concentrations of acids and alkali	See manufacturer's declaration			LA		ISO 10545-13
	Resistance to high concentrations of acids and alkali	Available testing method			HA		
	Resistance to household chemicals and swimming pool salts	Minimum class B			A		
	Frost resistance	Required			Resistant		ISO 10545-12
Pb Cd	Release of hazardous substances	Declared value for GL surfaces intended for countertop applications			Compliant		DM 1-2-2007 Reg. CE 1935-2004
	Dynamic coefficient of friction	See manufacturer's declaration			≥ 0,42 wet		ANSI-A326.3
		See manufacturer's declaration			> 0,40		METODO BCRA
	Shod ramp slipperiness	See manufacturer's declaration			R10 (10° < α ≤ 19°)	R9 (6° < α ≤ 10°)	DIN EN 16165 ANNEX B
	Barefoot ramp slipperiness	See manufacturer's declaration			Class B (18° ≤ α < 24°)	Class A (12° ≤ α < 18°)	DIN EN 16165 ANNEX A

For optimal installation results, Florim recommends maintaining a joint of 2 mm 1/12" for single format installations and 3 mm 1/8" to combine mixed formats.

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RINASCENZA / FLORIM

Fine porcelain stoneware
Rectified

9 mm 3/8"

Technical features

Dry-pressed ceramic tiles. Quality specifications, according to control tests of EN 14411-ISO 13006 Appendix G group Bla UGL		Standard requirements		Test results		Reference standard
		N ≥ 15 cm				
		(%)	(mm)	MATTE	GRIP	
Lenght and with: deviation of the average size for each tile from the work size	Squadrato ISO 13006	± 0,3%	± 1 mm	± 0,15%		ISO 10545-2
Thickness: deviation of the average thickness of each tile form the work size thickness	Squadrato ISO 13006	± 5%	± 0,5 mm	± 5%		
Straightness: maximum deviation to the corresonding work sizes	Squadrato ISO 13006	± 0,3%	± 0,8 mm	± 0,10%		
Orthogonality: permissible deviation in relation to the corresponding manufacturing dimensions	Squadrato ISO 13006	± 0,3%	± 1,5 mm	± 0,20%		
Flatness: center curvature, edge curvature, and warpage in relation to the corresponding manufacturing dimensions	Squadrato ISO 13006	± 0,4%	± 1,8 mm	0,35%		
Surface quality	A minimun of 95% of the tiles are to be free from visible defects			Compliant		
Water absorption, percent mass fraction	≤ 0,5%			Average value 0,08%		ISO 10545-3
Breaking strength in N (thickness < 7.5 mm)	≥ 1300			Average value 2200 N		ISO 10545-4
Bending strength in N/mm^2	≥ 35			Average value 50 N/mm^2		
Resistance to deep abrasion	≤ 175 mm^3			Average value 140 mm^3		ISO 10545-6
Thermal shock resistance	Available testing method			Resistant		ISO 10545-9
Resistance to staining	Available testing method			Class 5	Class 4	ISO 10545-14
Resistance to low concentrations of acids and alkali	See manufacturer's declaration			LA		ISO 10545-13
Resistance to high concentrations of acids and alkali	Available testing method			HA		
Resistance to household chemicals and swimming pool salts	Minimum class B			A		
Frost resistance	Required			Resistant		ISO 10545-12
Dynamic coefficient of friction	See manufacturer's declaration			≥ 0,42 wet		ANSI-A326.3
	See manufacturer's declaration			> 0,40		METODO BCRA
Shod ramp slipperiness	See manufacturer's declaration			R10 (10° < α ≤ 19°)	R11 (19° < α ≤ 27°)	DIN EN 16165 ANNEX B
Barefoot ramp slipperiness	See manufacturer's declaration			Class B (18° ≤ α < 24°)	Class C (α > 24°)	DIN EN 16165 ANNEX A
Pendulum test slipperiness	See manufacturer's declaration			-	PTV > 36 (slider 96)	BS EN 16165 ANNEX C

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RINASCENZA / FLORIM

Fine porcelain stoneware
Rectified

20 mm 6/8"

Technical features

Dry-pressed ceramic tiles. Quality specifications, according to control tests of EN 14411-ISO 13006 Appendix G group Bla UGL			Standard requirements N ≥ 15 cm (%)	Standard requirements N ≥ 15 cm (mm)	Test results GRIP	Reference standard
	Lenght and with: deviation of the average size for each tile from the work size	Squadrato ISO 13006	± 0,3%	± 1 mm	± 0,15%	ISO 10545-2
	Thickness: deviation of the average thickness of each tile form the work size thickness	Squadrato ISO 13006	± 5%	± 0,5 mm	± 5%	
	Straightness: maximum deviation to the corresonding work sizes	Squadrato ISO 13006	± 0,3%	± 0,8 mm	± 0,10%	
	Orthogonality: permissible deviation in relation to the corresponding manufacturing dimensions	Squadrato ISO 13006	± 0,3%	± 1,5 mm	± 0,20%	
	Flatness: center curvature, edge curvature, and warpage in relation to the corresponding manufacturing dimensions	Squadrato ISO 13006	± 0,4%	± 1,8 mm	0,35%	
	Surface quality	A minimun of 95% of the tiles are to be free from visible defects			Compliant	
	Water absorption, percent mass fraction	≤ 0,5%			Average value 0,08%	ISO 10545-3
	Breaking strength in N (thickness < 7.5 mm)	≥ 1300			Compliant	ISO 10545-4
	Bending strength in N/mm^2	≥ 35			Average value 52 N/mm^2	
	Resistance to deep abrasion	≤ 175 mm^3			Average value 140 N/mm^3	ISO 10545-6
	Thermal shock resistance	Available testing method			Resistant	ISO 10545-9
	Resistance to staining	Available testing method			Class 4	ISO 10545-14
	Resistance to low concentrations of acids and alkali	See manufacturer's declaration			LA	ISO 10545-13
	Resistance to high concentrations of acids and alkali	Available testing method			HA	
	Resistance to household chemicals and swimming pool salts	Minimum class B			A	
	Frost resistance	Required			Resistant	ISO 10545-12
	Dynamic coefficient of friction	See manufacturer's declaration			≥ 0,42 wet	ANSI-A326.3
		See manufacturer's declaration			> 0,40	METODO BCRA
	Shod ramp slipperiness	See manufacturer's declaration			R11 (19° < α ≤ 27°)	DIN EN 16165 ANNEX B
	Barefoot ramp slipperiness	See manufacturer's declaration			Class C (α > 24°)	DIN EN 16165 ANNEX A
	Pendulum test slipperiness	See manufacturer's declaration			PTV > 36 (slider 96)	BS EN 16165 ANNEX C

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