Ceramica del Conca SpA Technical Characteristics

HMB – MARBLE BOUTIQUE collection.

(ONICE BIANCO, CALACATTA,INVISIBLE GREY,AMANI,SILVER,BLOOM,NOISETTE, CALACATTA ORO,PAONAZZO,PARADISE,ONICE FANTASTICO,AMAZZONITE,ONICE AZZURRO)

EN 14411:2016 Annex G Required for BIa

Reference	Characteristics	Standard	Required values		CdC Values:
Dimensional standard	Length and width	ISO 10545-2	± 0.6%	± 2.0 mm	**Comply**
	Straightness of sides	ISO 10545-2	± 0.5%	± 1.5 mm	**Comply**
	Rectangularity	ISO 10545-2	± 0.5%	± 2.0 mm	**Comply**
	Flatness-Centre curvature	ISO 10545-2	± 0.5%	± 2.0 mm	**Comply**
	Flatness - Edge curvature	ISO 10545-2	± 0.5%	± 2.0 mm	**Comply**
	Flatness - Warpage	ISO 10545-2	± 0.5%	± 2.0 mm	**Comply**
	Thickness	ISO 10545-2	± 5%	± 0.5 mm	**Comply**
	Surface quality	ISO 10545-2	Minimum 95%		**Comply**
Mechanical Standard	Water absorption	ISO 10545-3	Maximum 0.5%		**~ 0.1%**
	Modulus of rupture	ISO 10545-4	> 35 N/mm2		**Comply**
	Breaking Strength	ISO 10545-4	> 1300 N		**Comply**
	Impact resistance	ISO 10545-5	Declared value		**~ 0.89 (COR)**
	Linear thermal expansion	ISO 10545-8	Declared value		**α = ~ 5.5x10-6 °C-1**
	Thermal shock resistance	ISO 10545-9	Pass		**Comply**
	Moisture Expansion	ISO 10545-10	Declared value		**~ 0.04 mm/m**
	Crazing Resistance	ISO 10545-11	Pass		**Comply**
	Frost resistance	ISO 10545-12	Pass		**Comply**
	Chemical resistance	ISO 10545-13	Minimum class GB		**Comply**
	DEEP Abrasion	ISO 10545-6	<175mm3		**Comply**
	MOHS	Declared value			**Mohs ≥5**

		Recommended Use				NATURAL: Medium Traffic SHINE: Light Traffic
Safety Standard	International requirements	Stain resistance	ISO 10545-14	Minimum class 3		**Comply**
		Fire reaction - floor	EN 13823	Not Required		**A1fl class (No reaction)**
		Fire reaction - wall	EN 13823	Not Required		**A1 class (No reaction)**
		VOC				**No VOC**
	EU requirements	Ramp resistance (Except for Shine)	DIN EN 16165:2023 Annex B	Declared value	Nat	**R9**
		Barefoot ramp resistance (Except for Shine)	DIN EN 16165:2023 Annex A	Declared value	Nat	**B**
	US Requirements	Dynamic coefficient of Friction DCOF (Except for Shine)	ANSI A326.3:2022	Declared value	Nat	***WET: 0,70***
	IT Requirements	Determination of slipperiness BCR tortus (Except for Shine)	DM 236-89	> 0.40	Nat	***DRY: 0,42*** ***WET: 0,58***
	BS requirements	PENDULUM (Except for Shine)	BS EN 16165:2021 Annex C	≥36	Nat	**Comply**

Values reflect an average among test performed in our laboratory according to the standard requirements and/or trough third party laboratory.

Test are performed on actual production, first choice material. Values may vary between single individual production run.

Ceramica del Conca Technical team will be pleased to integrate and answer specific questions.

Ceramica del Conca SpA Technical Characteristics

ICONIC - collection.

EN 14411:2016 Annex G Required for BIa

Reference	***Characteristics***	***Standard***	***Required values***		***CdC Values:***
Dimensional standard	Length and width	ISO 10545-2	± 0.6%	± 2.0 mm	**Comply**
	Straightness of sides	ISO 10545-2	± 0.5%	± 1.5 mm	**Comply**
	Rectangularity	ISO 10545-2	± 0.5%	± 2.0 mm	**Comply**
	Flatness-Centre curvature	ISO 10545-2	± 0.5%	± 2.0 mm	**Comply**
	Flatness - Edge curvature	ISO 10545-2	± 0.5%	± 2.0 mm	**Comply**
	Flatness - Warpage	ISO 10545-2	± 0.5%	± 2.0 mm	**Comply**
	Thickness	ISO 10545-2	± 5%	± 0.5 mm	**Comply**
	Surface quality	ISO 10545-2	Minimum 95%		**Comply**
Mechanical Standard	Water absorption	ISO 10545-3	Maximum 0.5%		**~ 0.1%**
	Modulus of rupture	ISO 10545-4	> 35 N/mm2		**Comply**
	Breaking Strength	ISO 10545-4	> 1300 N		**Comply**
	Impact resistance	ISO 10545-5	Declared value		**~ 0.89 (COR)**
	Linear thermal expansion	ISO 10545-8	Declared value		**α = ~ 6.4x10-6 °C-1**
	Thermal shock resistance	ISO 10545-9	Pass		**Comply**
	Moisture Expansion	ISO 10545-10	Declared value		**~ 0.04 mm/m**
	Crazing Resistance	ISO 10545-11	Pass		**Comply**
	Frost resistance	ISO 10545-12	Pass		**Comply**
	Chemical resistance	ISO 10545-13	Minimum class GB		**Comply**
	DEEP Abrasion	ISO 10545-6	<175mm3		**Comply**
	MOHS	Declared value			**Mohs ≥5**
	Recommended Use				**HIGH TRAFFIC**

Ceramica del Conca S.p.a.
Via Croce, 8 • 47832 San Clemente (RN) • Italy • Tel. (+39) 0541 988453 • Fax (+39) 0541 988783 • www.delconca.com • info@delconca.com
Capitale Sociale € 16.000.000 I.V. • Trib. Rimini 2924 / R.E.A. 172156 • Mecc. N. RN 000244 • Codice Fiscale e Partita I.V.A. 00819720400
Soggetta a direzione e coordinamento di Ceramica Faetano S.p.a.

Safety Standard	International requirements	Stain resistance	ISO 10545-14	Minimum class 3		**Comply**
		Fire reaction - floor	EN 13823	Not Required		**A1fl class (No reaction)**
		Fire reaction - wall	EN 13823	Not Required		**A1 class (No reaction)**
		VOC				**No VOC**
	EU requirements	Ramp resistance	DIN EN 16165:2023 Annex B	Declared value	Nat Structured	**R10**
					Grip	**R11**
					20 mm	**R11**
		Barefoot ramp resistance	DIN EN 16165:2023 Annex A	Declared value	Nat Structured	**B**
					Grip	**C**
					20 mm	**C**
	US Requirements	Dynamic coefficient of Friction DCOF	ANSI A326.3:2022	Declared value	Nat	***WET: 0,54***
					Structured	***WET: 0,63***
	IT Requirements	Determination of slipperiness BCR tortus	DM 236-89	> 0.40	Nat	***DRY: 0,44*** ***WET: 0,52***
					Structured	***DRY: 0,53*** ***WET: 0,64***
	BS requirements	PENDULUM	BS EN 16165:2021 Annex C	>36	Nat	**Comply**
					Structured	**Comply**

Values reflect an average among test performed in our laboratory according to the standard requirements and/or trough third party laboratory.

Test are performed on actual production, first choice material. Values may vary between single individual production run.

Ceramica del Conca Technical team will be pleased to integrate and answer specific questions.

Ceramica del Conca S.p.a.
Via Croce, 8 • 47832 San Clemente (RN) • Italy • Tel. (+39) 0541 988453 • Fax (+39) 0541 988783 • www.delconca.com • info@delconca.com
Capitale Sociale € 16.000.000 I.V. • Trib. Rimini 2924 / R.E.A. 172156 • Mecc. N. RN 000244 • Codice Fiscale e Partita I.V.A. 00819720400
Soggetta a direzione e coordinamento di Ceramica Faetano S.p.a.