

Artcraft

COLLECTION SUMMARY

SIZE (cm)	THICKNESS	GROUP	USE
5,3x30	10 mm	Bla GL EN14411/G	FLOOR/WALL
5,3x30	10 mm	Bla GL EN14411/G	WALL
20x20	10 mm	Bla GL EN14411/G	FLOOR/WALL
20x20	11,5 mm	Bla GL EN14411/G	WALL
21x18,2	9,5 mm	Bla GL EN14411/G	FLOOR/WALL

Marazzi group srl single-member limited liability company, Viale Regina Pacis, 39 41049 Sassuolo (MO) italy
T +39 0536 860800 F +39 0536 860644 info@marazzi.it www.marazzi.it

Share Capital Euro 102,232,000 fully paid-up VAT and Intrastat Code IT00611410374 Tax Code and Modena companies register reg. no. 00611410374 R.E.A.
Modena No. 49219 Meccanografico No. MO 041028 Company subject to the direction and coordination of Mohawk Industries, Inc.

Artcraft

Compliant with standard EN 14411:2016 annex G group Bla GL

Compliant with standard ISO 13006:2018 annex G group Bla GL

TECHNICAL FEATURES		TESTING METHOD	ESTABLISHED LIMITS		AVERAGE TYPICAL VALUE	
DIMENSIONAL PROPERTIES AND SURFACE QUALITY						
			Nominal side length N (cm) $7 \leq N < 15$	Nominal side length N (cm) $N \geq 15$		
	LENGTH AND WIDTH (*)	ISO 10545-2			Compliant	
	---		---	---		
	NOT RECTIFIED		$\pm 0,9$ mm	$\pm 0,6$ %		$\pm 2,0$ mm
	THICKNESS					Compliant
	---		---	---		
	NOT RECTIFIED		$\pm 0,5$ mm	± 5 %	$\pm 0,5$ mm	
	STRAIGHTNESS OF SIDES					Compliant
	---		---	---		
	NOT RECTIFIED		$\pm 0,75$ mm	$\pm 0,5$ %	$\pm 1,5$ mm	
	RECTANGULARITY					Compliant
	---		---	---		
	NOT RECTIFIED		$\pm 0,75$ mm	$\pm 0,5$ %	$\pm 2,0$ mm	
	SURFACE FLATNESS C.C. - E.C. - W.					Compliant
	---		---	---		
NOT RECTIFIED	$\pm 0,75$ mm	$\pm 0,5$ %	$\pm 2,0$ mm			
SURFACE QUALITY			≥ 95 %	Compliant		

PHYSICAL AND CHEMICAL PROPERTIES					
	WATER ABSORPTION	EN ISO 10545-3	Eb $\leq 0,5\%$ (maximum individual value 0,6%)		Eb $\leq 0,5\%$

	FLEXURAL STRENGTH (S) AND MODULUS OF RUPTURE (R)	EN ISO 10545-4	---		---
			Thickness $\geq 7,5$ mm: S ≥ 1.300 N R ≥ 35 N/mm ² (min individual value 32 N/mm ²)		Thickness $\geq 7,5$ mm: S ≥ 1300 N R ≥ 35 N/mm ²
			---		---
	CRAZING RESISTANCE	EN ISO 10545-11	Pass according to EN ISO 10545-1 (EN 14411:2016) Required (ISO 13006:2018)		Complies with the standards
	LINEAR THERMAL EXPANSION COEFFICIENT	EN ISO 10545-8	Declared value (EN 14411:2016) Test method available (ISO 13006:2018)		$\leq 9 \left(\frac{x(10)^{-6}}{^{\circ}\text{C}} \right)$
	THERMAL SHOCK RESISTANCE	EN ISO 10545-9	Pass according to EN ISO 10545-1 (EN 14411:2016)** Test method available (ISO 13006:2018)		Complies with the standards
	FROST RESISTANCE*****	EN ISO 10545-12	Pass according to EN ISO 10545-1 (EN 14411:2016) Required (ISO 13006:2018)		Complies with the standards
	REACTION TO FIRE	---	Class A1 or Class A1 FL*****		Floor/wall: class A1 FL/ A1


					Wall: Class A1

	COLOR RESISTANCE TO LIGHT EXPOSURE	DIN 51094	The samples must not show any appreciable color variations		Complies with the standards
	CHEMICAL RESISTANCE****	EN ISO 10545-13	Minimum B (EN 14411:2016) Minimum B (ISO 13006:2018)		A
			Declared value (EN 14411:2016) Test method available (ISO 13006:2018)		LA-LB
			Declared value (EN 14411:2016) Test method available (ISO 13006:2018)		HA-HB
	STAIN RESISTANCE	EN ISO 10545-14	Minimum Class 3 (EN 14411:2016) Minimum Class 3 (ISO 13006:2018)		Class 5

Artcraft

Compliant with standard EN 14411:2016 annex G group Bla GL

Compliant with standard ISO 13006:2018 annex G group Bla GL

	TECHNICAL FEATURES	STANDARDS	SIZE (cm)	THICKNESS	SURFACE	COLOR	DECLARED VALUE
	Resistance to surface abrasion (only for tiles intended use on floors)	INTERNAL TEST METHOD	5,3x30	10 mm	Natural	ARGILLA, CALCE, COCCIO, COTTO, POMICE, SABBIA	Class G
			20x20	10 mm	Natural	ARGILLA, CALCE, COCCIO, COTTO, POMICE, SABBIA	Class G
			20x20	10 mm	Natural	ARGILLA, CALCE, COCCIO, COTTO, POMICE, SABBIA BOLLI	Class G
			20x20	10 mm	Natural	ARGILLA, CALCE, COCCIO, COTTO, POMICE, SABBIA QUADRI	Class G
			20x20	10 mm	Natural	ARGILLA, CALCE, COCCIO, COTTO, POMICE, SABBIA TRIANGOLI	Class G
			20x20	10 mm	Semimatt	BIANCO, SEGNI A, SEGNI B	Class G
			21x18,2	9,5 mm	Natural	COCCIO, COTTO, SABBIA	Class G

* The deviation, in percent, of the average size for each tile (2 or 4 sides) from the work size. Regarding the deviation between nominal size and work size, the work size shall be chosen, for non-modular tiles, so that the difference between the work size and the nominal size is: $\pm 2\%$ (max 5 mm)

** See Table 2 EN 14411:2016 for uses where it is applicable

*** High Performance product

**** Resistance to household chemicals and pool salts (from A to C); Resistance to low-concentration acids and bases (from LA to LC); Resistance to high-concentration acids and bases (from HA to HC)

c.c. Centre curvature, related to diagonal calculated from the work sizes

e.c. Edge curvature, related to the corresponding work sizes

w. Warpage, related to diagonal calculated from the work sizes

***** Not valid for interior wall tiles

***** This requirement refers to the ceramic tiles only

Class D: Tiles suitable only for residential bathrooms and bedrooms; any type of abrasion must be avoided

Class E: Tiles suitable for any room of a house except for entrance areas and kitchens. Low stress abrasive wear

Class F: Tiles suitable for any room of a house without direct access from the outside or access not protected by doormats. Average stress abrasive wear

Class G: Materials suitable for rooms subject to medium-heavy abrasion, such as detached houses and light-traffic commercial buildings

Class H: Materials suitable for situations of relatively hard abrasion in environments without protection against scratching, both public and private

Artcraft

Compliant with standard EN 14411:2016 annex G group Bla GL

Compliant with standard ISO 13006:2018 annex G group Bla GL

ASTM COMPLIANT				
TECHNICAL FEATURES	STANDARDS	ESTABLISHED LIMITS		AVERAGE TYPICAL VALUE
NOMINAL SIZE	ASTM C499	MIN - 3,00%	MAX 2,00%	Compliant
CALIBER RANGE	ASTM C499	MIN - 0,25% or -0,03 in (-0,8 mm) (1)		Compliant
		MAX 0,25% or 0,03 (0,8 mm) (1)		
WEDGING	ASTM C502	MIN - 0,25% or -0,03 in (-0,8 mm)		Compliant
		MAX 0,25% or 0,03 (0,8 mm)		
WARPAGE EDGE	ASTM C485	MIN - 0,40% or -0,05 in (-1,3 mm) (3) or -1,8 mm (4)		Compliant
		MAX 0,40% or 0,05 in (1,3 mm) (3) or 1,8 mm (4)		
WARPAGE DIAGONAL	ASTM C485	MIN - 0,40% or -0,07 in (-1,8 mm)		Compliant
		MAX 0,40% or 0,07 in (1,8 mm)		
WATER ABSORPTION	ASTM C373	MIN 0,00%	MAX 0,50%	Compliant
THICKNESS (2)	ASTM C499	Range: 0,040 in (1,02 mm)		Not affected
COLOR UNIFORMITY (8)	ASTM C609	V0 - 3 Judds		Compliant
BREAKING STRENGTH	ASTM C648	Average \geq 275 lbf (1,22 kN)		\geq 400
		Individual \geq 250 lbf (1,11 kN)		
THERMAL SHOCK (5)	ASTM C484	Passed		Compliant
RESISTANCE TO FREEZE/THAW CYCLING (6)	ASTM C1026	Declared value		No damage
STAIN RESISTANCE	ASTM 1378	As reported		Not affected
CHEMICAL RESISTANCE	ASTM C650	As reported		Not affected
CRAZING RESISTANCE (5)	ASTM C424	Passed		Not affected
BOND STRENGTH	ASTM C482	\geq 50 psi (0,34 Mpa)		Compliant

(1) Whichever is less.

(2) May not apply to textured surfaces or tiles with uneven back patterns.

(3) Whichever is less, for tiles up to 24" (610 mm) on any side

(4) Applies to tiles larger than 24" (610 mm) on any side

(5) Glazed tiles only

(6) When installation subject to freeze/thaw conditions.

(7) For level interior spaces expected to be walked upon when wet (see section 6.2.2.1.10)

(8) Class V0 Tile Only

Artcraft

Antislippery Properties (only for tiles intended for floor use)											
					DIN EN 16165 Annex B (ex DIN 51130); ASR A1.	DIN EN 16165 Annex A (ex DIN 51097) DGUV Information 207-006	D.M. N. 236 14/6/89 BCR-A	ANSI 326:3:2021 D-COF	BS EN 16165:2021 Annex C (ex BS 7976-2:2002 / BS EN 13036-4:2011) - UK PTV	UNE EN 16165 Annex C (ex UNE 41901:2017 EX - DB SUA) - Spain PTV	AS 4586-2013 Annex A Australian PTV
					Established limits					from R9 to R13	from A to C
Surface	Size (cm) Thickness	Color	Group	Catalog code	DIN EN 16165 Annex B (ex DIN 51130); ASR A1.	DIN EN 16165 Annex A (ex DIN 51097) DGUV Information 207-006	D.M. N. 236 14/6/89 BCR-A	ANSI 326:3:2021 D-COF	BS EN 16165:2021 Annex C (ex BS 7976-2:2002 / BS EN 13036-4:2011) - UK PTV	UNE EN 16165 Annex C (ex UNE 41901:2017 EX - DB SUA) - Spain PTV	AS 4586-2013 Annex A Australian PTV
Natural	5,3x30 10 mm	CALCE	Bla GL	MGTG	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	5,3x30 10 mm	COTTO	Bla GL	MGU3	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	5,3x30 10 mm	COCCIO	Bla GL	MGTG	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	5,3x30 10 mm	POMICE	Bla GL	MGTG	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	5,3x30 10 mm	SABBIA	Bla GL	MGTJ	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	5,3x30 10 mm	ARGILLA	Bla GL	MGU6	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	CALCE	Bla GL	MGSM	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	CALCE BOLLI	Bla GL	MGUX	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	CALCE TRIANGOLI	Bla GL	MGZS	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	CALCE QUADRI	Bla GL	MH5Z	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	COTTO	Bla GL	MGSS	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	COTTO BOLLI	Bla GL	MGVS	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	COTTO TRIANGOLI	Bla GL	MH5V	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	COTTO QUADRI	Bla GL	MH99	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	COCCIO	Bla GL	MGSQ	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	COCCIO BOLLI	Bla GL	MGVD	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	COCCIO TRIANGOLI	Bla GL	MH0V	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	COCCIO QUADRI	Bla GL	MH95	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	POMICE	Bla GL	MGSL	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	POMICE BOLLI	Bla GL	MGUW	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	POMICE TRIANGOLI	Bla GL	MGYS	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	POMICE QUADRI	Bla GL	MH5Y	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	SABBIA	Bla GL	MGSP	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	SABBIA BOLLI	Bla GL	MGV5	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---
Natural	20x20 10 mm	SABBIA TRIANGOLI	Bla GL	MH0U	R9	---	> 0.40	$\geq 0,42$	---	Class 1	---

Artcraft

Surface	Size (cm) Thickness	Color	Group	Catalog code	DIN EN 16165 Annex B (ex DIN 51130); ASR A1.	DIN EN 16165 Annex A (ex DIN 51097) DGUV Information 207-006	D.M. N. 236 14/6/89 BCR-A	ANSI 326:3:2021 D-COF	BS EN 16165:2021 Annex C (ex BS 7976-2:2002 / BS EN 13036-4:2011) - UK PTV	UNE EN 16165 Annex C (ex UNE 41901:2017 EX - DB SUA) - Spain PTV	AS 4586-2013 Annex A Australian PTV
Natural	20x20 10 mm	SABBIA QUADRI	Bla GL	MH60	R9	---	> 0.40	>= 0.42	---	Class 1	---
Natural	20x20 10 mm	ARGILLA	Bla GL	MGST	R9	---	> 0.40	>= 0.42	---	Class 1	---
Natural	20x20 10 mm	ARGILLA BOLLI	Bla GL	MGWS	R9	---	> 0.40	>= 0.42	---	Class 1	---
Natural	20x20 10 mm	ARGILLA TRIANGOLI	Bla GL	MH5W	R9	---	> 0.40	>= 0.42	---	Class 1	---
Semimatt	20x20 10 mm	BIANCO	Bla GL	MGSV	---	---	---	---	---	---	---
Semimatt	20x20 10 mm	SEGNI A	Bla GL	MH9C	---	---	---	---	---	---	---
Semimatt	20x20 10 mm	SEGNI B	Bla GL	MH9D	---	---	---	---	---	---	---
Natural	21x18,2 9,5 mm	COTTO	Bla GL	MGSZ	R9	---	> 0.40	>= 0.42	---	Class 1	---
Natural	21x18,2 9,5 mm	COCCIO	Bla GL	MGSY	R9	---	> 0.40	>= 0.42	---	Class 1	---
Natural	21x18,2 9,5 mm	SABBIA	Bla GL	MGSX	R9	---	> 0.40	>= 0.42	---	Class 1	---