

BLUSTYLE

C O T T O D ' E S T E

Tender specifications BLOW collection

Supply of Blustyle porcelain stoneware tiles for walls and floors.

Product characteristics

Blustyle full body porcelain stoneware tiles, unglazed, composed of a very fine mixture of quality clay with the addition of feldspar, quartz and kaolin, manufactured by dry pressing of atomized powders and subsequently sintered by industrial firing at temperatures above 1200°C.

The complete vitrification of the tiles allows for a compact, non-absorbent, frost-proof product, resistant to bending, impacts, staining, chemical attack and thermal shock.

Compliance with EN 14411-G / ISO 13006-G

The Blow collection is in compliance with the regulations required for first quality products in Italy and Europe UNI EN 14411-G and internationally through ISO 13006-G.

Quality and environmental certifications

The conservation of the product characteristics is guaranteed by the Quality Management System put into practice by Blustyle in its plants and certified in accordance with UNI EN ISO 9001.

The collection is manufactured in plants with UNI EN ISO 14001 certified Environmental Management Systems (internationally recognized standard) and EMAS (Regulation 1221/09 - eco-management and audit community system).

The collection helps to meet the criteria for obtaining LEED V4 credits. The product contains no VOC (volatile organic compounds) and has obtained the GREENGUARD GOLD certification. The Environmental Product Declaration (EPD) is available, this tool communicates clearly the environmental performances of the Advance collection based on its Life Cycle Assessment (LCA).

Commercial description of the product

Company	BLUSTYLE (Panariagroup Industrie Ceramiche S.p.A.)	
Collection	BLOW	
Colours	CEMENT, SMOKE, GROUND, DUST	
Sizes	60x60 cm FLAT NATURAL, FLAT HONED, CRUST NATURAL, CRUST HONED	
	60x120 cm FLAT NAT, FLAT HND, CRUST NAT, CRUST HND	60x120 cm ROUGH 20mm
	120x120 cm FLAT NATURAL, FLAT HONED, CRUST NATURAL, CRUST HONED	
Surfaces	FLAT NATURAL, FLAT HONED, CRUST NATURAL, CRUST HONED, ROUGH	
Edges	RETTIFICATI (RTT)	
Thickness	9mm; 20mm	



ISO 9001

ISO 14001

EMAS

GREENGUARD
GOLD

EPD

LEED

LEED

CE MARK

BLUSTYLE

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Technical features

Product type: full body porcelain stoneware (UGL)

According to: ISO 13006-G (Group Bla), EN 14411-G (Group Bla)

Technical features		Test method	Required values ISO 13006-G, EN 14411-G	Average values BLOW
Water absorption		ISO 10545-3	≤ 0,5 %	0,05 %
Breaking strength (S)		ISO 10545-4	≥ 1300 N	Thick. 9mm:1800 N Thick. 20mm:13600 N
Modulus of rupture		ISO 10545-4	≥ 35 N/mm ²	50 N/mm ²
Deep abrasion resistance		ISO 10545-6	≤ 175mm ³	145 mm ³
Linear thermal expansion		ISO 10545-8	No provision	$\alpha \leq 7 \cdot 10^{-6} \text{ } ^\circ\text{C}^{-1}$
Stain resistance		ISO 10545-14	Class 3 Min.	5 RESISTANT
Chemical resistance (*)		ISO 10545-13	As indicated by manufacturer	LA, HA RESISTANT
Frost resistance		ISO 10545-12	No alteration	RESISTANT
Dimensions	Lenght and width	ISO 10545-2	± 0,3 %, max ± 1 mm	COMPLIANT
	Straightness of sides	ISO 10545-2	± 0,3 %, max ± 0,8 mm	COMPLIANT
	Rectangularity	ISO 10545-2	± 0,3 %, max ± 1,5 mm	COMPLIANT
	Warpage	ISO 10545-2	± 0,4 %, max ± 1,8 mm	COMPLIANT
	Thickness	ISO 10545-2	± 5 %, max ± 0,5 mm	COMPLIANT
Slip resistance		DIN EN 16165 – Annex B	-	R11 (NATURAL, ROUGH)
		DIN EN 16165 – Annex A	-	A+B (NATURAL) A+B+C (ROUGH)
		BCR-TORTUS	-	$\mu > 0,40$
		ANSI A326.3	-	ID - DCOF ≥ 0,42 (dry) Natural, Rough, Honed IW - DCOF ≥ 0,42 (wet) Natural, Rough IW+ Natural, Rough EW Natural, Rough
		AS 4586:2013	-	PTV 36+ wet Sl. 96 – Sl.55
		BS 7976-2	-	P4 Natural, Rough
		UNE 41901 EX	-	Clase 3 Natural, Rough
Shade variation		ANSI A 137.1	As indicated by manufacturer	V2 (FLAT) V3 (CRUST, ROUGH)
Fire Reaction		EN 13823	CPR (UE) 305/2011, 2000/147/CE, UNI EN 13501-1	Class A1 (wall)
		EN 9239-1		Class A1 _{fl} (floor)
Thermal conductivity		EN 12524	-	$\lambda = 1,3 \text{ W/m } ^\circ\text{K}$
Recommended minimum joint (**)		Indoor	-	2mm (RTT)
		Outdoor	-	5-6 mm circa

(*) Excluding hydrofluoric acid and its derivatives.

(**) The width of grout joints must be established by the installation supervisor, unless grout widths are regulated by national laying standards.



UNI EN ISO 9001:2015



UNI EN ISO 14001:2015



VERIFICATA
REG. N. 4400309



GREENGUARD
GOLD



EPD



LEED



LEED



EN 14411
Le DOP sono disponibili sul sito internet
www.blustyle.it
DOP are available on the website
www.blustyle.it

CE MARK

ISO 9001

ISO 14001

EMAS