

“THE CRYSTAL COLLECTION” BLENDS

1	DESCRIPTION
	<p>Glass mosaic composed of bevelled, randomly arranged square tesserae, and crystals made by Swarovski®, exclusive to Bisazza in terms of cut and colour. The square glass mosaic, 10x10mm (3/8"x3/8") are mounted on paper.</p> <p>With regard to the technical specifications (point 4), please refer to the data on individual components.</p>

2	APPLICATIONS	
A	INTERIOR WALLS	Walls and ceilings in general, of any shape and size, for residential and public buildings
B	FLOORING	Not suitable
C.1	<ul style="list-style-type: none"> - EXTERNAL WALLS - SWIMMING POOLS - HUMID AREAS (shower, bio sauna, spa, etc.) 	Not suitable

3	WEIGHTS AND MEASUREMENTS	
	Format	10x10mm
	Mounting	paper
	Sheet dimension	322x322mm
	Number of tiles/sheet	900
	Thickness	4 mm
	Joint	~1.57 mm
	Weight	7 kg/sqm
	Quantity/carton	1.03 sqm
	Sheets/carton	10

4.a TECHNICAL CHARACTERISTICS - VETRICOLOR				
	Description	Test	Established limits	Result
VTC + VTC MATT	Water absorption	ISO 10545 - 3	E ≤ 0.5%	< 0.5
	Resistance to thermal shock	ISO 10545 - 9	15°-145°C	resistant
	Resistance to chemical attack	ISO 10545 -13		resistant
	Frost resistance	ISO 10545 - 12		resistant
	Colour resistance to fading	DIN 51094		resistant
	Stain resistance	ISO 10545 - 14		resistant
	Resistance to thermal shock	ANSI A 137.2-2012	+15/+71°C	resistant
	VTC	Slip resistance	DIN 51097	A(12°-18°) B(18°-24°) C(+24°)
DIN 51130			R9 - R13	R9
VTC MATT	Slip resistance	BS 7976	>36 (low)	Wet 41-40
		DIN 51097	A(12°-18°) B(18°-24°) C(+24°)	A+B+C (31°)
		D.M. 14/06/1989 n.236 part. 8.2.2		compliant
		B.C.R Rep. CEC. 6/81	0.40 ≤ μ < 0.74 ≥ 0.74	0.59
		DIN 51130	R9 - R13	R11
		ENV 12633:2006	Class 0-3 (3 Rd≥45)	Class 3 (46)

4.b TECHNICAL CHARACTERISTICS - LE GEMME				
	Description	Test	Established limits	Result
GM + GM MATT	Water absorption	ISO 10545 - 3	E ≤ 0.5%	< 0.5
	Resistance to chemical attack	ISO 10545 - 13		resistant
	Frost resistance	ISO 10545 - 12		resistant
	Colour resistance to fading	DIN 51094		resistant
	Resistance to thermal shock	ANSI A 137.2-2012	+15/+71°C	resistant
GM	Slip resistance	DIN 51097	A(12°-18°) B(18°-24°) C(+24°)	A+B
		DIN 51130	R9 - R13	R9
GM MATT	Slip resistance	ENV 12633:2006	Class 0-3 (3 Rd≥45)	Class 1 (33)
		BS 7976	>36 (low)	25-23 (wet)
		DIN 51097	A(12°-18°) B(18°-24°) C(+24°)	A+B+C
		DIN 51130	R9 - R13	R11

NB: the tiles of the LE GEMME collection in the MATT version do not have the same shiny appearance as those of the standard version.

4.c TECHNICAL CHARACTERISTICS - SMALTO				
	Description	Test	Established limits	Result
SM + SM MATT	Water absorption	ISO 10545 - 3	E ≤ 0.5%	< 0.5
	Resistance to chemical attack	ISO 10545 - 13		resistant
	Frost resistance	ISO 10545 - 12		resistant
	Colour resistance to fading	DIN 51094		resistant
	Resistance to thermal shock	ANSI A 137.2-2012	+15/+71°C	resistant
SM	Slip resistance	DIN 51130	R9 - R13	R9
		DIN 51097	A(12°-18°) B(18°-24°) C(+24°)	A+B(18°)
SM MATT	Slip resistance	DIN 51130	R9 - R13	R10
		DIN 51097	A(12°-18°) B(18°-24°) C(+24°)	A+B (21°)
		ENV 12633:2006	Class 0-3 (3 Rd≥45)	Class 2 (41)
		BS 7976	>36 (low)	50-53 (wet)

NB: the tiles of the SMALTO collection in the MATT version do not have the same shiny appearance as those of the standard version.

5 STRENGTHS	
	<ul style="list-style-type: none"> - ease of surface cleaning - light weight and thinness allow for easy renovations - colour brightness - pleasant to the touch - the reduced format makes it suitable for tiling curved surfaces: convex surfaces, 20 mm radius - concave surfaces, 20 mm radius

6	INSTALLATION
A	<p>For correct application, the support must have a perfectly smooth, even and white surface, and must be mature, dry, sound and stable. Never use cement-based products for installation and grouting.</p> <p>The Crystal Collection mosaic is always supplied with the Bisazza eGlue adhesive and Fillgel Plus grout. The company recommends that you always use these products.</p> <p>Thoroughly wash the traces paper glue before grouting. When laying, use a spatula with 3,5 mm teeth. Average consumption Bisazza eGlue: 1.6 kg/sqm (please add 0.9 Kg/sqm for the skimming)</p>
B	<p>Grouting For the best results and performance, use Bisazza Fillgel Plus. The grout colour will affect the final aesthetic appearance of the product installed. Being a colourless and semi-transparent grout, Fillgel 1104 neutro base needs to be used with special care. Because of its colourless feature, the yellowing due to UV rays exposure becomes more visible with time.</p> <p>For this reason, Fillgel 1104 neutro base cannot be used outdoors and in outdoor swimming-pools. Average consumption Bisazza FILLGEL PLUS: 1.45 kg/sqm</p> <p>For any information on the installation procedure, consult the installation book and the products technical data sheets.</p>

7	MAINTENANCE
	<p>Use ordinary cleaning products for maintenance and cleaning of glass mosaic surfaces (except those containing hydrofluoric acid or phosphoric acid), being careful to rinse thoroughly with water. Alkaline detergents should be used carefully and rapidly rinsed out with water. Any cleaning product should not be used on heated or directly exposed to sunrays surfaces. Avoid using abrasive tools and high pressure jets of water.</p>

8	WARNINGS
	<p>Before the application, all the materials should be stored in a dry place sheltered from rain and humidity. For application on every foundation: recommended use of epoxy adhesive Bisazza eGlue.</p>