

VETRICOLOR 20 e 10, GEMME 20 e 10, SMALTO, ARIA

1	DESCRIPTION
	Glass mosaic, square tiles with bevelled edges produced in size 20x20 mm. (10x10 mm. only Vetricolor and Le Gemme).

2	COMPOSITION
	<p>Vetricolor : a fusion of siliceous sand and other components with the addition of oxide pigments</p> <p>Le Gemme : a fusion of siliceous sand and other components, Aventurina and enamels</p> <p>Smalto : a fusion of siliceous sand and other components plus enamels grit</p> <p>Aria : a fusion of siliceous sand and other components with the addition of oxide pigments</p>

3	APPLICATIONS	
A	FLOORS	light traffic
		-Bathrooms -Saunas -Fitness centres
B	INTERIOR AND EXTERIOR WALLS	
		-Any kind and shape of wall and ceiling -Kitchen walls -Swimming pools -Building facades -Bathrooms -Living and other areas of the home

4	ADVANTAGES
	<p>-Its smaller dimensions make it particularly suitable for curved surfaces (minimum radius for a column 7,5 cm. for cladding with size 20x20 mm. and 3,5 cm. for cladding with 10x10 mm. mosaic)</p> <p>-Easy to clean</p> <p>-Limited thickness</p> <p>-Low weight</p> <p>-Pleasant to the touch</p>

5	DIMENSIONS AND WEIGHTS	METRIC		AS SYSTEM	
	SIZE	20X20 mm.	10X10 mm.	¾" x ¾"	⅜" x ⅜"
	MOUNTING	paper or mesh	paper	paper or mesh	paper
	SHEET DIMENSIONS	322X322 mm.	322X322	12 11/16"x12 11/16"	12 11/16"x12 11/16"
	TESSERAE PER SHEET	225	900	225	900
	THICKNESS	~ 4 mm.	3,5 mm.	5/32"	1/8"
	JOINT	1,46 mm.	0,73 mm.	1.16"	1/32"
	WEIGHT	7 kg/m ²	5,96 kg.	1.6 lb/ft ²	1.3 lb/ft ²
	QUANTITY PER BOX	2.07 m ²	1,035	22.282 ft ²	11,141 ft ²
	SHEETS PER BOX	20	10	20	10

6	TECHNICAL CHARACTERISTICS			
A	European Test Data			
	Water absorption	UNI EN99	ISO 10545-3	None
	Resistance to thermal shocks	UNI EN 104	ISO 10545 -9	Resistant
	Frost resistance	UNI EN 202	ISO 10545-12	Resistant
	Colour resistance to fading	DIN 51094		Resistant
	Resistance to chemical attack	UNI EN 122	ISO 10545-8	Resistant
B	<i>Tiles evaluated according to the Tile Council of America Inc. Specification ANSI A137.1 - 1988</i>			

		results
Visual inspection (ANSI A137.1) -Structural defects : \leq 1 of 16 defective tile -Facial defects : \leq 1 of 16 defective tile	0 of 16 defective tiles 0 of 16 defective tile	Passes Passes
Range of thickness (ASTM C499) \leq 0.030"	0.007"	Passes
Facial dimensions (ASTM C499) -Average dimension : \leq 10% deviation -Range : \leq 3.5% deviation	0.791 inch, 0.3% deviation 0.786- 0.796in.,1.3 deviation	Passes Passes
Wedging (ASTM C502) \leq 2.0%	0.9%	Passes
Colour uniformity: (Visual) \leq 1 of 16 different	0 of 16 different	Passes
Coefficient of friction: (ASTM C1028) -Dry: by agreement -Wet: by agreement	0.66 0.44	By agreement*
Water absorption: (ASTM C373) impervious	0.1% impervious	Passes
Thermal shock: (ASTM C484) shall show no disintegration	No disintegration	Passes
Bond strength: (ASTM C482) 50lb/in. ²	108 lb/in. ²	Passes
Crazing: (ASTM C424) no crazing	No crazing	Passes
Freeze-Thaw Cycling: (ASTM C1026)	No effect	Passes
Results show that VETRICOLOR tiles meet requirements of the Tile Council of America, Inc., specification ANSI A137.1-1988. The tiles meet the "Standard Grade" as defined in the specification. *No criteria established. Shall be agreed upon between manufacturer and purchaser.		

7	FIXING
A	On substrate of cement render, plaster, plasterboard: use Bisazza START+UP On other kind of substrate: please contact Bisazza Fixing Assistance Dept info13@bisazza.it
B	Swimming pools in concrete: use Bisazza START+UP
C	Grouting : use Bisazza FILLgel

8	CLEANING AND MAINTENANCE
	Bisazza SHINE and SHINE Pro special detergent specifically formulated for cleaning Bisazza glass mosaics and removing excess of Bisazza FILLgel grout.

10	TECHNICAL AND AESTHETIC COMPATIBILITY
A	OTHER BISAZZA PRODUCTS All glass mosaic series are compatible per size. - Metron – Logos – Codex
B	OTHER MATERIALS -Wood, marble, naturale granite, ceramic tiles, plaster, cotto, metals