

OPERA 50

1	DESCRIPTION
	<p>A transparent glass mosaic, consisting of 50x50mm (2"x2") square tiles, 6 mm thick (+/-1 mm), mounted on paper.</p> <p>Opera is a transparent glass mosaic known for its non-uniform distribution of colour – tesserae saturated with colour are randomly mixed with semi-transparent or partially transparent ones to create a varied, one-of-a-kind surface.</p>

2	APPLICATIONS	
A	INTERIOR WALLS	Walls and ceilings in general, of any shape and size, for residential and public buildings
B	INTERIOR FLOORING	light traffic (residential bathrooms)
C	<ul style="list-style-type: none"> - EXTERIOR WALLS - SWIMMING POOLS - HIGH-HUMIDITY AREAS (shower, Turkish bath, bio sauna, etc.) 	Suitable for all listed uses.

3	WEIGHTS AND MEASUREMENTS	
	Size	50x50mm (+/- 0,8 mm)
	Mounting	paper
	Sheet dimensions	310x310mm
	Number of tiles/sheet	36
	Thickness	6 mm (+/-1 mm)
	Joint	~2 mm
	Weight	11.65 kg/m ²
	Quantity/carton	0.96 sqm
	Sheets/carton	10

4	CARATTERISTICHE TECNICHE			
	Description	Test	Established limits	Result
	Water absorption	ISO 10545 - 3	E ≤ 0.5%	< 0.5
	Resistance to chemical attack	ISO 10545 -13		resistant
	Frost resistance	ISO 10545 - 12		resistant
	Crazing resistance	ISO 10545 - 11		resistant
	Resistance to thermal shock	ANSI A 137.2-2012	+15/+71°C	resistant

5	STRENGTHS
	<ul style="list-style-type: none"> - the 5x5 cm size of the tiles makes the streaks of enamel in each individual tile more evident than in the 25x25 mm size, making the product more precious - ease of surface cleaning - light weight and thinness allow for easy renovations - colour brightness - pleasant to the touch - tiling of curved surfaces: convex, 150 mm radius - concave, 90 mm radius

6	INSTALLATION
A	<p>For proper installation, the substrate must be a perfectly smooth, even, white surface, and must be cured, dry, sound and stable.</p> <ul style="list-style-type: none"> - For installation, we recommend using epoxy-based products: Bisazza Epoxy Installation Kit (eGlue epoxy adhesive + Fillgel Plus epoxy grout) - For pool installation, we recommend the Bisazza Epoxy Pool Installation System (eGlue epoxy adhesive and Pool eGrout epoxy grout), and waterproofing the substrate with specific products - When laying, use a 5 mm toothed trowel. N.B. Attrition tends to wear out the trowel; it is crucial to maintain the proper thickness of the teeth for the entire installation period, restoring it with the flex tool, if necessary. - Thoroughly remove any traces of adhesive before grouting <p>Average consumption Bisazza eGlue: 2.4 kg/sqm (please add 0.9 kg/sqm for 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 installed tile.</p> <p>Fillgel 1104 neutro base is a colourless and semi-transparent grout and must be applied with special care. Because it is colourless, some yellowing occurs when exposed to sunlight (UV radiation), which becomes more noticeable with time. This is why Fillgel 1104 neutro base <u>cannot be used</u> for exterior applications or in outdoor pools; for this type of use, we recommend Bisazza Pool eGrout, an epoxy grout specifically formulated for swimming pools.</p> <p>Average consumption Bisazza Fillgel Plus: 1.3 kg/sqm Average consumption Bisazza Pool eGrout: 1.3 kg/sqm</p> <p>For further information on installation procedures, consult the installation manual and product technical data sheets.</p>

7	MAINTENANCE
	<p>Use ordinary cleaning products (except those containing hydrofluoric acid or phosphoric acid), for maintenance and cleaning of glass mosaic surfaces, taking care to rinse thoroughly with water. Alkaline detergents should be used cautiously and quickly rinsed off with water. Cleaning products should never be used on hot surfaces or those directly exposed to sunlight. Avoid using abrasive tools and high-pressure water jets (pressure washing).</p>

8	WARNINGS
	<p>The colour of the mosaic tiles is never perfectly uniform or even. Slight chipping in some tiles (about 10%) is a characteristic feature of the product. Also, please note: it is impossible to guarantee that tile colours in subsequent orders will be identical.</p> <p>Because of the transparency of the Opera tile base glass, they can only be mounted on paper: they are not available on mesh.</p> <p>Prior to installation, all materials should be stored in a dry place sheltered from rain and humidity.</p> <p>For information on use with fibreglass or steel swimming pools, contact Bisazza's technical office: installation.department@bisazza.com</p>