

**ORO BIS**

1	DESCRIPTION
	<p>The Oro Bis mosaic is produced in 20x20 mm (3/4"x3/4") and 10x10 mm (3/8"x3/8") sizes with 4 mm (5/32") thickness. The tiles are bevelled like those of all the other collections of the same size, which makes the Oro Bis tiles compatible in size and thickness with the Bisazza glass mosaic collections, allowing use in blends, shading blends and decors, thus facilitating installation.</p> <p>The tiles are constituted by a leaf of 24 kt gold sandwiched between two protective layers of glass.</p> <p>Oro Bis is available in wall and floor versions (the latter only in the 20x20 mm size), with smooth or undulating surface in yellow or white.</p>

2	APPLICATIONS	
A	INTERIOR WALLS	walls and ceilings in general, of any shape and size
B	FLOORING	low traffic (residential bathroom floors). The Oro Bis floor version is recommended
C	<ul style="list-style-type: none"> <li>- EXTERNAL WALLS</li> <li>- SWIMMING POOLS</li> <li>- HUMID AREAS (shower, bio sauna, spa, etc.)</li> </ul>	<ul style="list-style-type: none"> <li>- Oro Bis giallo (yellow gold): suitable for the specified applications (ref. ANSI A 137.2-2012: Resistance to thermal shocks)</li> <li>- Oro Bis bianco (white gold): it is recommended to replace it with Platino mosaic, which provides a full guarantee against the risks of oxidation</li> </ul>

3	WEIGHTS AND MEASUREMENTS		
	Size	20x20 mm	10x10 mm
	Mounting	paper*	paper
	Sheet dimensions	322x322 mm	322x322 mm
	Number of tiles/sheet	225	900
	Thickness	4 mm	4 mm
	Joint	~1.57 mm	~0.76 mm
	Weight	7 kg/sqm	7 kg/sqm
	Quantity/carton	1.03 sqm	1.03 sqm
	Sheets/carton	10	10

\* Available mesh mounted upon request.

4	TECHNICAL CHARACTERISTICS			
Description	Test	Established limits	Result	
Resistance to chemical attack	ISO 10545 - 13	-	resistant	
Stain resistance	ISO 10545 - 14	-	resistant	
Resistance to thermal shocks	ANSI A 137.2-2012	15°-71°C	resistant	
Wear resistance (PEI)	ISO 10545 - 7	Class 0 - 5	Class 3	
Colour resistance to fading	DIN 51094	-	resistant	
Water absorption	ISO 10545 - 3	E ≤ 0.5%	0	
Frost resistance	ISO 10545 - 12		resistant	
Scratch hardness (floor version)	BS 6431 part. 13	Class 1 - 10	Class 5	

5	STRENGTHS
	<ul style="list-style-type: none"> <li>- endless colour combination possibilities with other Bisazza collections to create personalised blends, shading blends or decors</li> <li>- ease of surface cleaning</li> <li>- light weight and thinness allows for easy renovations</li> <li>- colour brightness due to high refractive index</li> <li>- the reduced size makes it suitable for tiling curved surfaces                             <ul style="list-style-type: none"> <li>- 20x20 mm tiles glued on paper: convex surfaces, 30 mm radius - concave surfaces, 40 mm radius</li> <li>- 20x20 mm tiles glued on mesh: convex surfaces, 60 mm radius - concave surfaces, 50 mm radius</li> <li>- 10x10 mm tiles glued on paper: convex surfaces, 20 mm radius - concave surfaces, 20 mm radius</li> </ul> </li> </ul>

6	INSTALLATION
<b>A</b>	<p>For correct application, the support must have a perfectly smooth, even and white surface, and must be mature, dry, sound and stable.</p> <ul style="list-style-type: none"> <li>- Cement or plaster foundations: recommended use of adhesive Bisazza Ad Hoc</li> <li>- Foundations of other nature: recommended use of adhesive Bisazza eGlue</li> <li>- For exteriors, submersed areas and humid areas: recommended use* of adhesive Bisazza Ad Hoc+Ultra</li> <li>- The use of epoxy products is compulsory for installation in swimming-pools with salty water or thermal water. We recommend the use of Bisazza Epoxy Installation Kit (Bisazza eGlue + Fillgel Plus UVR) and of an epoxy sheath to guarantee waterproofing.</li> <li>- For use as flooring, the Oro Bis floor version is recommended</li> <li>- <u>For submersed areas (pools, fountains) we strongly suggest to use mosaic glued on paper.</u></li> <li>- In the case of mosaics on paper, thoroughly wash the traces of paper glue before grouting</li> <li>- When laying, use a spatula with 3,5 mm teeth</li> </ul> <p>Average consumption Bisazza Ad Hoc: 1.25 kg/sqm (two coats of skimming included)                      Average consumption Bisazza Ultra: 0.8 kg/sqm                      Average consumption Bisazza eGlue: 1.6 kg/sqm (please add 0.9 Kg/sqm for the skimming)</p> <p>* except for any specific rule or protocol enforced by the single Country.</p>
<b>B</b>	<p>Grouting:                      For the best results and performance, use Bisazza Fillgel Plus UVR.                      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.                      For this reason, Fillgel 1104 neutro base cannot be used outdoors and in outdoor swimming-pools.                      Average consumption Bisazza FILLGEL PLUS UVR: 1.45 kg/sqm</p> <p><b>For any information on the installation procedure, consult the installation book and the products technical data sheets.</b></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.  <b>In the case of use of Oro Bis white in swimming pools, it is recommended to replace it with Platino mosaic, which provides a full guarantee against the risks of oxidation.</b>                      For information on use with fibreglass or steel swimming pools, contact Bisazza's technical office (installation.department@bisazza.com).</p>