

**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	
<b>A</b>	INTERIOR WALLS	walls and ceilings in general, of any shape and size
<b>B</b>	INTERIOR FLOORING	<u>Oro Bis floor version</u> : suitable for floors subject to moderate traffic
<b>C</b>	<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%	< 0.5
	Frost resistance	ISO 10545 - 12	-	resistant
	Scratch hardness	BS 6431 part. 13	Class 1 - 10	Class 5*

\* Floor version

<b>5</b>	<b>STRENGTHS</b>
	<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 allow 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>

<b>6</b>	<b>INSTALLATION</b>
<b>A</b>	<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"> <li>- Interior screed or plaster: we recommend using Bisazza Ad Hoc+Ultra* adhesive</li> <li>- Other types of substrates: we recommend Bisazza eGlue adhesive</li> <li>- For swimming pool and exterior installation, we recommend the Bisazza Pool Installation System (Ad Hoc+Ultra adhesive and Pool eGrout epoxy grout)</li> <li>- For installation on swimming pools with salt water or thermal spring water, use epoxy products only: we recommend the Bisazza Epoxy Pool Installation System (epoxy eGlue adhesive + Pool eGrout epoxy grout) and waterproofing with epoxy membrane.</li> <li>- For the SHIFT version, we recommend the use of profiles in the corners and on wall ends</li> <li>- <u>For installation in pools or other high-humidity areas, we strongly recommend using paper-mounted mosaic tiles</u></li> <li>- Regarding paper-mounted mosaic, thoroughly remove any traces of adhesive before grouting</li> <li>- When laying, use a 3.5 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.</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 standards or codes enforced by an individual country</p>
<b>B</b>	<p><b>Grouting</b></p> <p>For the best results and performance, use Bisazza Fillgel Plus.                  The grout colour will affect the final aesthetic appearance of the installed tile.                  A colourless and semi-transparent grout, <b>Fillgel 1104 neutro base</b> 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 pools and outdoor use, Bisazza recommends Pool eGrout epoxy grout.</p> <p>Average consumption Bisazza Fillgel Plus: 1.45 kg/sqm                  Average consumption Bisazza Pool eGrout: 1.35 kg/sqm</p> <p><b>For further information on the installation process, consult the installation manual and product technical data sheets.</b></p>

<b>7</b>	<b>MAINTENANCE</b>
	<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>The colour of the mosaic tiles is never perfectly uniform or even. Slight chipping in some tiles is a characteristic feature of the product. It is also clearly pointed out that it cannot be guaranteed that colouring in subsequent orders will be identical.</p> <p>Before the application, all the materials should be stored in a dry place sheltered from rain and humidity.</p> <p><b>In the case of use of Oro Bis <u>white</u> in swimming pools, it is recommended to replace it with Platino mosaic, which provides a full guarantee against the risks of oxidation.</b></p> <p>For information on use with fibreglass or steel swimming pools, contact Bisazza's technical office (installation.department@bisazza.com).</p>