

VARIATIONS

| 1 | DESCRIPTION |
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| | <p>Glass mosaic composed of square tesserae in different colours and in two different dimensions. The bevelled and square glass tesserae, 20x20mm (3/4"x3/4") and 10x10mm (3/8"x3/8"), are mounted on paper. With regard to the technical specifications (point 4), please refer to the data on individual components.</p> |

| 2 | APPLICATIONS | |
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| A | INTERIOR WALLS | Walls and ceilings in general, of any shape and size, for residential and public buildings. Non suitable for tiling curved surfaces. |
| B | INTERIOR FLOORING | Light traffic (private residential rooms) |
| C.1 | <ul style="list-style-type: none"> - EXTERNAL WALLS - SWIMMING POOLS - HUMID AREAS (shower, bio sauna, spa, etc.) | Suitable |

Blends with GLOSS

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| C.2 | <ul style="list-style-type: none"> - EXTERNAL WALLS - SWIMMING POOLS - HUMID AREAS (shower, bio sauna, spa, etc.) | <p>Due to its good resistance to hydrolytic and alkali attacks, it is suitable for swimming pool tiling.</p> <p>Not suitable for tiling thermal pools in general, especially those with sulphur waters.</p> |
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Blends with ORO BIS

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| C.3 | <ul style="list-style-type: none"> - EXTERNAL WALLS - SWIMMING POOLS - HUMID AREAS (shower, bio sauna, spa, etc.) | <ul style="list-style-type: none"> - Oro Bis giallo (yellow gold): suitable for the specified applications (ref. ANSI A 137.2-2012: Resistance to thermal shocks) - Oro Bis bianco (white gold): it is recommended to replace it with Platino mosaic, which provides a full guarantee against the risks of oxidation |
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| 3 | WEIGHTS AND MEASUREMENTS | |
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| | Format | 20x20mm – 10x10mm |
| | Mounting | paper |
| | Sheet dimension | 272x272mm |
| | Number of tiles/sheet | - |
| | Thickness | 4 mm |
| | Joint | ~1 mm |
| | Weight | 7,4 kg/sqm |
| | Quantity/carton | 0,68 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 shocks | ISO 10545 - 9 | 15°-145°C | resistant |
| | Resistance to chemical attack | ISO 10545 -13 | | resistant |
| | Frost resistance | ISO 10545 - 12 | | resistant |
| | Colours' resistance to fading | DIN 51094 | | resistant |
| | Stain resistance | ISO 10545 - 14 | | resistant |
| | Resistance to thermal shocks | 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 shocks | 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) |

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 | | | | |
|--------------------------------------|-------------------------------|-------------------|-------------------------------------|---------------|
| | 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 |
| | Colours' resistance to fading | DIN 51094 | | resistant |
| | Resistance to thermal shocks | ANSI A 137.2-2012 | +15/+71°C | resistant |
| | Slip resistance | DIN 51097 | A(12°-18°) B(18°-24°) C(+24°) | A |

| 4.d TECHNICAL CHARACTERISTICS - SMALTO | | | | |
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| | 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 shocks | 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.

| 4.e TECHNICAL CHARACTERISTICS - ORO BIS | | | | |
|---|-------------------------------|-------------------|--------------------|-----------|
| | 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

| 5 STRENGTHS | |
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| | <ul style="list-style-type: none"> - ease of surface cleaning - light weight and thinness allow for easy renovations - colour brightness - pleasant to the touch |

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| 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.</p> <ul style="list-style-type: none"> - Cement or plaster foundations: recommended use of adhesive Bisazza Ad Hoc - Foundations of other nature: recommended use of adhesive Bisazza eGlue - thoroughly wash the traces paper glue before grouting - When laying, use a spatula with 3,5 mm teeth <p>For exteriors, submersed areas and humid areas (shower, bio-sauna, Turkish bath, etc.):</p> <ul style="list-style-type: none"> - Recommended use* of adhesive Bisazza Ad Hoc+Ultra - <u>We strongly suggest to use mosaic glued on paper</u> - Blends with transparent or semi-transparent mosaic installed in swimming-pools or humid areas: recommended use of Bisazza Epoxy Installation Kit (Bisazza eGlue + Fillgel Plus UVR) - Blends with Gloss or Glow tiles: not suitable for tiling thermal pools in general, especially those with sulphur waters. - Blends with Oro Bis bianco (white gold): it is recommended to replace it with Platino mosaic, which provides a full guarantee against the risks of oxidation <p>For swimming-pools with salty water or thermal water: recommended use of Bisazza Installation Kit (Bisazza eGlue + Fillgel Plus UVR); we recommend waterproofing with epoxy products as well.</p> <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 | <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 kg/sqm</p> <p>For any information on the installation procedure, consult the installation book and the products technical data sheets.</p> |

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| 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> |

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| 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. For information on use with fibreglass or steel swimming pools, contact Bisazza's technical office (installation.department@bisazza.com)</p> |