



Opera Group S.r.l.

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Stabilimento

41031 Camposanto (Mo) – Polo industriale S. Felice s/Panaro – Via Ponte Bianco,22

Collection: **PRESTIGE**

| | |
|-------------------------------------|--|
| Article/Colour: STATUARIO | Cod. art. LN66031 / LN22031 / LN99031 |
| Article/Colour: CALACATTA | Cod. art. LN66032 / LN22032/ LN99032 |
| Article/Colour: ELEGANT GREY | Cod. art. LN66030 / LN22030 / LN99030 |
| Article/Colour: MARQUINIA | Cod. art. LC66033 / LC22033 / LC99033 |

| | |
|--|-------------------------|
| Size N: 60x60 cm / Rt size: 59.7x59.7 cm - 24"x24" | Thinknees 9.5 mm |
| Size N: 60X120 cm / Rt size 59.7x119.7 cm - 24"x48" | Thinknees 9.5 mm |
| Size N: 90x90 cm / Rt size 89.7x89.7 cm - 35"X35" | Thinknees 9.5mm |
| Technology: digital Porcelain stoneware | |



Norma UNI EN 14411 – ISO 13006

Appendix G – GROUP BIa - GL

Dry-pressed ceramic tiles, with water absorption $E \leq 0,5\%$



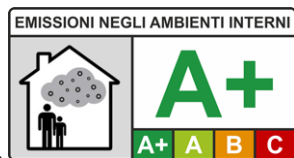
Technical Properties

| | Characteristic Technical | Reference standard or method of measure | Value Required by standard | | Values Opera Group srl |
|--|--|---|--|--------------------|------------------------|
| | | | Not Rectified | Rectified | |
| DIMENSIONS AND QUALITY OF THE SURFACE | Legth et Width (Admissible deviation (%) of the average size of each tile from the manufacturing dimension W) | UNI EN ISO 10545-2 | ± 0,6%, max 2 mm | ± 0,3%, max 1 mm | COMPLIANT |
| | Thickness | | ± 5%, max 0,5 mm | ± 5%, max 0,5 mm | COMPLIANT |
| | Straightness of the edges | | ± 0,5%, max 1,5 mm | ± 0,3%, max 0,8 mm | COMPLIANT |
| | Orthogonality | | ± 0,5%, max 2 mm | ± 0,3%, max 1,5 mm | COMPLIANT |
| | Planarity | | ± 0,5%, max 2 mm | ± 0,4%, max 1,8 mm | COMPLIANT |
| | Surface flatness | | The 95% min. of the Tiles must be free | | COMPLIANT |
| PHYSICAL PROPERTIES | Wter absorption | UNI EN ISO 10545-3 | $E_v \leq 0,5 \%$ | | 0,2% |
| | Breaking strengh | UNI EN ISO | Min. 1300 N | | 2200 N |

| | | | | |
|--------------------------------|--|------------------------|--|---------------------------------------|
| | Flexion resistance | 10545-4 | Min 35 N/mm ² | Average value 40 N/mm ² |
| | Resistance to thermal shock | UNI EN ISO 10545-9 | Method of evidence available | RESISTANT |
| | Coefficient of linear thermal expansion | UNI EN ISO 10545-8 | Method of evidence available | ≤ 7 MK-1 |
| | Frost resistance | UNI EN ISO 10545-12 | They must not be damaged | RESISTANT |
| | Lead and cadmium release | UNI EN ISO 10545-15 | Method of evidence available | Pb <0,1 Cd < 0,01 |
| | Resistance to surface abrasion – Glazed tiles | UNI EN ISO 10545-7 | Declared by the manufacturer | CATALOGUE |
| | Determination of scratch hardness of surface Mohs scale | UNI EN 101:1992 | Glazed tiles: Mohs hardness ≥5 | |
| | Reaction for fire | decisione 96/603/CE | Method of evidence available | Fire proof class A1fl-A1 |
| CHEMICAL PROPERTIES | Resistance to household chemicals | | GB minimo | GA |
| | Resistance low and high concentration of acid and alkali | UNI EN ISO 10545-13 | They must not present appreciable signs of chemical attack | GLA/GHA |
| | Stain Resistance | UNI EN ISO 10545-14 | Class 3 min. | Class 5 |
| | Light fastness | DIN 51094 | Rating of colour change after exposure in ultraviolet-light | COMPLIANT |
| | Variation of colour tones | | Stonization- V | V3 |
| | Impact resistance | UNI EN ISO 10545-5 | Measurement of the bounce height of a steel ball | RESISTANT |

| | | | | | |
|----------------|--------------------------------------|---------------------------------------|-----------------|--|--|
| SAFETY* | Friction coefficient Slipperiness | DCOF BOT 3000 | Where requested | | |
| | | DIN EN 16165 annex B (ex 51130) | Where requested | | |
| | Slip classification | BS 7976 Pendulum | PTV 45≥36 | | |
| | | DIN EN 16165 annex A (ex 51097) | Where requested | | |
| | | AS/NZS 4586 Pendolo Australiano | Where requested | | |

*Test methods, requirements and classifications differ from country to country, according to the national regulations. The expected value of slippage resistance of products by Industrie OPERA GROUP srl may vary depending on the production batch. Specific documents are available upon request.

| | | |
|----------------------|---|---|
| CERTIFICATION |  | Where requested Classement CSTB |
| |  | Level - A |
| |  | They absolutely do not contain Volatile Organic Compounds (VOC) They do not exceed and exceed the criteria for the A + ranking |
| | MADE IN ITALY | All'Opera Group srl tiles are produced in Italy. Who buys Opera Group ceramics has the security that are produced with technologies that respect the environment, using raw materials excellent and safe, guaranteeing the best working conditions for safety and the environment in which we live. |

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Maranello 27/09/2022
DIRECTION

Process characteristics

The series is made of porcelain stoneware by dry pressing of a mix of atomized mixtures obtained from precious natural raw materials. The obtained support is subsequently baked at over 1200°C, a temperature necessary to reach the sinterification necessary to make the product frostproof, non-absorbent and resistant to chemical attack.

CE marking : In compliance with Directive 89/106/CE on Construction Products, the CE mark is affixed as a sign of compliance with the essential safety requirements of the product; the CE marking is a necessary condition for placing a product on the European Market.

Doc. specifications

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