

TECHNICAL SHEET

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| BRAND | CERAMICAS APARICI, S.A. Ctra. Castellón - Alcora, km 12 12130 San Juan de Moró (Castellón) SPAIN |
| PRODUCT | NAME: SUTTON PIASENTINA NATURAL FORMAT (cm): 59,55 X 59,55 |
| TYPE OF PRODUCT | TYPE: Dry-pressed ceramic tiles, with water absorption $E_b \leq 0,5\%$ PORCELAIN TILE USE: For internal and external walls and floorings GROUP BI_a |
| REFERENCED RULES | ISO-13006:2012 and UNE EN 14411:2013 |

| Characteristics | Test Method | Requirements | Values Compliance |
|--|----------------|--|-------------------|
| A) DIMENSIONS AND SURFACE QUALITY | | | |
| Length and width | | | |
| The work size shall be chosen as follows for: | | | |
| a) modular tiles: | EN ISO 10545-2 | In order to allow a nominal joint width of between 2 and 5 mm | PASS |
| b) non-modular tiles: | EN ISO 10545-2 | So that the difference between the work size and the nominal size is not more than 2% (maximum 5 mm) | PASS |
| The permissible deviation of the average size for each tile (2 or 4 sides) from the work size (W) Requirements for nominal size N $7\text{cm} \leq N < 15\text{cm}$ $N \geq 15\text{ cm}$ | EN ISO 10545-2 | $\pm 0,9\text{ mm}$ $\pm 2,0\text{ mm} \text{ ó } \pm 0,6\%$ | PASS |
| Thickness | | | |
| a) The thickness shall be specified | | Declared thickness | SEE BOX |
| b) The permissible deviation, of the average thickness of each tile from the work size thickness Requirements for nominal size N $7\text{cm} \leq N < 15\text{cm}$ $N \geq 15\text{ cm}$ | EN ISO 10545-2 | $\pm 0,5\text{ mm}$ $\pm 0,5\text{ mm} \text{ ó } \pm 5\%$ | PASS |

| Straightness of sides (facial sides) | | | |
|---|----------------|---|------------------------------------|
| The maximum permissible deviation from straightness, related to the corresponding work sizes. Requirements for nominal size N 7cm≤N<15cm N≥ 15 cm | EN ISO 10545-2 | ± 0,75 mm ± 1,5 mm ó ± 0,5% | PASS |
| Rectangularity | | | |
| The maximum permissible deviation from rectangularity, related to the corresponding work sizes. Requirements for nominal size N 7cm≤N<15cm N≥ 15 cm | EN ISO 10545-2 | ± 0,75 mm ± 2,0 mm ó ± 0,5% | PASS |
| Surface flatness | | | |
| The maximum permissible deviation from flatness | | | |
| a) centre curvature, related to diagonal calculated from the work sizes. Requirements for nominal size N 7cm≤N<15cm N≥ 15 cm | EN ISO 10545-2 | ± 0,75 mm ± 2,0 mm ó ± 0,5% | PASS |
| b) edge curvature, related to the corresponding work sizes. Requirements for nominal size N 7cm≤N<15cm N≥ 15 cm | EN ISO 10545-2 | ± 0,75 mm ± 2,0 mm ó ± 0,5% | PASS |
| c) warpage, related to diagonal calculated from the work sizes. Requirements for nominal size N 7cm≤N<15cm N≥ 15 cm | EN ISO 10545-2 | ± 0,75 mm ± 2,0 mm ó ± 0,5% | PASS |
| Surface quality | | | |
| | EN ISO 10545-2 | A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles. | PASS |
| B) PHYSICAL PROPERTIES | | | |
| Water absorption (in % by mass) | | | |
| | EN ISO 10545-3 | $E_b \leq 0,5\%$ Individual maximum 0,6% | $E_b \leq 0,1\%$ |
| Breaking strength, for: | | | |
| Thickness < 7,5 mm | EN ISO 10545-4 | Not less than 700 N | >1.200 N |

| | | | |
|--|-------------------------------------|---|--|
| Flexural tensile strength or modulus of rupture | | | |
| | EN ISO 10545-4 | Minimum 35 N/mm ² Individual minimum 32 N/mm ² | ≥ 44 N/mm ³ |
| Abrasión resistance | | | |
| Resistance to surface abrasion of glazed tiles intended for use on floors (PEI) | EN ISO 10545-7 | Abrasion class | CLASS 4 |
| Coefficient of linear thermal expansion | | | |
| from ambient temperature to 100° C | EN ISO 10545-8 | Declared Value | 6.1- 6.9 x10⁻⁶ (°C⁻¹) |
| Thermal shock resistance | | | |
| | EN ISO 10545-9 | Pass according to EN ISO 10545-9 | PASS |
| Crazing resistance | | | |
| Glazed tiles | EN ISO 10545-11 | Pass according to EN ISO 10545-11 | PASS |
| Frost resistance | | | |
| Interior uses | EN ISO 10545-12 | Pass according to EN ISO 10545-12 | PASS |
| Exterior uses | | | PASS |
| Slip resistance | | | |
| Ramp test | UNE EN 16165 Annex A (DIN 51097) | - | B |
| Slip resistance | | | |
| Ramp test | UNE EN 16165 Annex B (DIN 51130) | - | R10 |
| Bond strength/adhesion , for: | | | |
| cementitious adhesives | EN 12004:2007 +A1: 2012, 4.1 | Declared Value | Type C2 >1 N/mm2 |
| Reaction to fire | | | |
| | | Class A1 _{FL} /A1 | A1_{FL}/A1 |
| C) CHEMICAL PROPERTIES | | | |
| Resistance to chemicals | | | |
| Resistance to household chemicals and swimming pool slats | EN ISO 10545-13 | Minimum GB | GA |
| Resistance to staining, for: | | | |
| Glazed tiles | EN ISO 10545-14 | Minimum 3 | 5 |