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| <b>TECHNICAL SHEET</b>                                  |
| <b>PSO MAD. CALIFORNIA PLUS CARAMELO 45X45 EXT 2.03</b> |

| EVALUATED CHARACTERISTICS  | TEST METHOD  | NORM ISO 13006 REQUIREMENTS (BIIB)  | RESULT  | CONCLUSION       |
|--|--------------|---|---|------------------|
| <b>DIMENSIONS AND SURFACE QUALITY</b>  |              |   |   |                  |
| * Length and Width, mm   |              |   | (%)      (mm)                                 |                  |
| Manufacturing Size:      451.0 mm  | ISO 10545-2  | ± 0.6%; ± 2.0mm   | 0.08      0.36                                | Comply           |
| Average Size:              451.4 mm  |              |   |   |                  |
| * Thickness, mm  |              |   |   |                  |
| Manufacturing:              7.5 mm   | ISO 10545-2  | ± 5.0%; ± 0.5mm   | 1.49      0.11                                | Comply           |
| Average result:              7.6 mm  |              |   |   |                  |
| * Straightness of sides, %   | ISO 10545-2  | ± 0.5%; ± 1.5mm   | -0.08      -0.37                              | Comply           |
| * Rectangularity, %  | ISO 10545-2  | ± 0.5%; ± 2.0mm   | 0.20      0.89                                | Comply           |
| * Surface flatness   |              |   |   |                  |
| Edge curvature, %  | ISO 10545-2  | ± 0.5%; ± 2.0mm   | 0.17    0.00    0.78    0.00                  | Comply           |
| Centre curvature, %  |              | ± 0.5%; ± 2.0mm   | 0.18    0.00    1.14    0.00                  | Comply           |
| Warpage, %   |              | ± 0.5%; ± 2.0mm   | 0.14    -0.09    0.89    -0.55                | Comply           |
| * Surface quality, %   | ISO 10545-2  | A minimum of 95 % of the tiles are to be free from visible defects which can impair the appearance of a major area of tiles | 96.0%   | Comply           |
| <b>PHYSICAL PROPERTIES</b>   |              |   |   |                  |
| * Water absorption (E <sub>v</sub> ), %  | ISO 10545-3  | 6 % < E <sub>v</sub> ≤ 10 %<br>Individual maximum 11 %  | 6.6<br>6.7                                    | Comply<br>Comply |
| * Breaking strength, N<br>(Thickness ≥ 7.5 mm)   | ISO 10545-4  | Not less than 800   | 904   | Comply           |
| * Modulus of rupture, N/mm <sup>2</sup>  | ISO 10545-4  | Minimum 18<br>Individual minimum 16   | 30<br>28                                      | Comply<br>Comply |
| * Abrasion resistance - CU   | ISO 10545-7  | Report abrasion class and cycles passed   | Class 2<br>Cycles 600                         | -                |
| * Craze resistance   | ISO 10545-11 | Required  | No crazing                                    | Comply           |
| <b>CHEMICAL PROPERTIES</b>   |              |   |   |                  |
| * Resistance to staining   |              |   |   |                  |
| - Green Oxide  | ISO 10545-14 | Minimum class 3   | Class 5                                       | Comply           |
| - Iodo   | ISO 10545-14 | Minimum class 3   | Class 5                                       | Comply           |
| - Olive oil  | ISO 10545-14 | Minimum class 3   | Class 5                                       | Comply           |
| * Resistance to low concentrations of acids and alkalis  |              |   |   |                  |
| - 3% Hydrochloric Acid (V / V)   | ISO 10545-13 | Manufacturer is to state classification   | LA  | -                |
| - Potassium hydroxide, 30 g / l  |              |   | LA  | -                |
| * Resistance to high concentrations of acids and alkalis   |              |   |   |                  |
| - 18% Hydrochloric Acid (V / V)  | ISO 10545-13 | Test method available   | HA  | -                |
| - Potassium hydroxide, 100 g / l   |              |   | HA  | -                |
| * Resistance to household chemicals and swimming pool salts  |              |   |   |                  |
| - Ammonium Chloride 100 g / l  | ISO 10545-13 | Minimum B   | A   | Comply           |
| - Sodium hypochlorite, 20 mg / l   |              |   | A   | Comply           |
| <p>Requirements verified as indicated in the INTERNATIONAL STANDARD, ISO 13006 "Ceramic Tiles - Definitions, Classification, Characteristics and marking", Annex k (normative), Table k, 1.</p> <p>Dry-pressed ceramic tiles 6 % &lt; E<sub>v</sub> ≤ 10 % Group BI<sub>b</sub></p> <p>The weight, tone and dimensions are subject to some of the inevitable variations typical of ceramic firing processes.</p> |              |   |   |                  |
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