

TEST REPORT

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|------------------------|--|-------------------------|---|
| Name of Sample | MVG1128 | Size | 49,75 x 99,55 x 10 |
| Reference Rules | ISO-13006:2012 and UNE EN 14411:2013 | Group | Bla-GL |
| Type of Product | Dry-pressed Ceramic tiles, with water absorption $E_b \leq 0,5\%$ type porcelain | Use | For walls and flooring, internal and external |
| Name | Rust Green Natural | Production Batch | 05/11/2020 |

| Characteristics | Test Method | Requirements | Values Compliance |
|---|---------------------------|------------------------------|--|
| Dimensional and Surface Quality | | | |
| Length & Width | EN ISO 10545-2 | $\pm 0,6\%$ ó $\pm 2,0$ mm | $\pm 0,2\%$ |
| Straightness of Sides | EN ISO 10545-2 | $\pm 0,5\%$ ó $\pm 1,5$ mm | $\pm 0,2\%$ |
| Rectangularity | EN ISO 10545-2 | $\pm 0,5\%$ ó $\pm 2,0$ mm | $\pm 0,2\%$ |
| Surface Flatness | EN ISO 10545-2 | $\pm 0,5\%$ ó $\pm 2,0$ mm | $\pm 0,2\%$ |
| Thickness | EN ISO 10545-2 | $\pm 5,0\%$ ó $\pm 0,5$ mm | $\pm 5,0\%$ |
| Physical Properties | | | |
| Water Absorption | EN ISO 10545-3 | $E_b \leq 0,5\%$ | $E_b \leq 0,2\%$ |
| Breaking Strength | EN ISO 10545-4 | Minimum 1.300N | ≥ 2200 N |
| Flesural Tensile Strength | EN ISO 10545-4 | Minimum 35 N/mm ² | ≥ 45 N/mm ² |
| Surface Abrasion Resistance | EN ISO 10545-7 | Declared Value | CLASS3 |
| Linear Thermal Expansion | EN ISO 10545-8 | Declared Value | $6.1 - 6.9 \times 10^{-6} (^{\circ}\text{C}^{-1})$ |
| Thermal Shock Resistance | EN ISO 10545-9 | Required | PASS |
| Crazing Resistance | EN ISO 10545-11 | Required | PASS |
| Frost Resistance (internal and external use) | EN ISO 10545-12 | Required | PASS |
| Bond Strength/ Adhesion (Cementitious adhesives) | EN 12004:2007+A1:2012,4.1 | Declared Value | Type C2 > 1 N/mm ² |
| Reaction to Fire | | Class A1 FL/A1 | A1 FL/A1 |
| Chemical Properties | | | |
| Chemical Resistance (household chemicals and swimming pool salts) | EN ISO 10545-13 | Minimum UB | GA |
| Reistance to Staining - Glazed Tiles | EN ISO 10545-14 | Minimum 3 | 5 |

Important Notes:

The results in this report apply to the samples only.