

Declaration of Performance

Product code: SE004

Product range name: Mas

1. Unique identification code on the product type.

Type, batch or serial number or any other element allowing identification of the product.

Dry-pressed ceramic tiles, with water absorption group B1_b 0.5% E_b <3% %

2. Intended use(s)

Ceramic tiles for floor and wall

3. Name or registered trademark, and contact address for the manufacturer:

ALUSID Ltd, Unit 6 Astra Business Centre, Preston, United Kingdom PR25AP

4. System(s) of assessment and verification of constancy of performance (AVCP):

System 4

5. Name and identification number of notified laboratory, if relevant:

Carpi Laboratory, Avenida del Mar, No 46, Castelon de la Plana 12003 Code laboratory: 335-21

6. Declared performances

| Essential characteristics | Performance | Harmonised technical specification |
|--|--|------------------------------------|
| Reaction to fire | A1 /A1fl | EN 14411:2012 |
| Release of dangerous substance, for: | (mg/dm ²) | |
| - Lead | <0.02 | |
| - Cadmium | <0.001 | |
| Resistance to Staining | Class 5 | |
| Breaking Strength | Average:1518 N MOR: 45N/mm ² | |
| Bond strength/adhesion, for: Cementitious adhesive, type C2 Resin adhesive Dispersion | NPD | |
| Thermal shock resistance | Pass | |
| Slipperiness as: Slider PTV 96 ≡ Rd-96 | 36+ PTV | |
| Durability for: - Internal use -External Use | Pass Pass | |

The performance of the product identified in point 1. is in conformity with the declared performance in point 6. This declaration of performances is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Dr Alasdair Bremner



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Chief Executive Officer

Date: 13/08/2024

Testing Summary

Notified Laboratory:

Colegio Oficial de Ingenieros Industriales “ Laboratorio Sebastian Carpi ”
Avenida del Mar, 46 12003 - Castellón (España)

| Test Category | Date of test | Specification - Test Result |
|--|--------------|---|
| BSENISO 10545-2: 1997 Determination of Dimensions - Length & Breadth | 21/06/2024 | Maximum deviation from work size: 0.4 mm/1mm 0.1 % (1.1 mm) for the long side Maximum deviation in thickness: -5 % (-0.4 mm) Maximum deviation from straightness of sides: 0.25 % / -0.25 % (0.5 mm / -0.5 mm) Maximum deviation from rectangularity: 0.46 % / -0.46 % (0.9 mm / -0.9 mm) Maximum centre curvature, related to the diagonal: 0.07 % / -0.14 % (0.2 mm / -0.4 mm) Maximum edge curvature, related to the work size: 0.15 % / -0.05 % (0.3 mm / -0.1 mm) Maximum warpage, related to the diagonal: 0.22 % / -0.22 % (0.6 mm / -0.6 mm) |
| BSEN ISO 10545-2: 1997 Determination of Surface Quality | 21/06/2024 | 100% acceptable |
| BSENISO 10545-3: 1997 Determination of Water Absorption | 21/06/2024 | Average 0.6% |
| BSEN 12004-2:2017 Part 8.3 Determination of tensile adhesive strength for cementitious adhesives. | 21/06/2024 | NPD |
| BSEN 12004-2: 2017 Part 8.4 Determination of shear adhesion strength of dispersion adhesives. | 21/06/2024 | NPD |
| BSEN 12004-2: 2017 Part 8.5 Determination of shear adhesion strength of reaction resin adhesives. | 21/06/2024 | NPD |
| BS EN ISO 10545-15:1997 Determination of Metal Release of Ceramic Tiles by acetic acid | 21/06/2024 | Soluble Lead average value 0.02 mg/dm ² Soluble Cadmium average <0.001 mg/dm ² |
| BSEN ISO 10545-13: 2016 Determination of Chemical Resistance | 21/06/2024 | Household Chemicals & Swimming Pool Salts Classification: A Stipulated Minimum Classification for Household Chemicals & Swimming Pool Salts: A Low Concentration Acids & Alkalis Classification: Hydrochloric Acid 3% : B Citric Acid 100g/l : A Potassium Hydroxide 30g/l: A High Concentration Acids & Alkalis Classification: Hydrochloric Acid 3% : B Lactic Acid 100g/l : B Potassium Hydroxide 100g/l: A |
| BS-EN 16165:2021 Annex C Determination of slip resistance of pedestrian surfaces Pendulum method. Wet test | 21/06/2024 | 45° and 90° PTV= 54 PTV96 ≡ Rd-96 = 54 |
| BSENISO 10545-4: 2019 Determination of Modulus of Rupture and Breaking Strength | 21/06/2024 | Breaking Load: 1704 N Breaking strength: 1518 N Modulus of Rupture: 45 N/mm ² |
| UNE-EN-ISO 10545 Part 12:1997 Determination of Frost Resistance | 21/6/2024 | Number of Damaged tiles after 100 cycles: None |
| UNE-EN-ISO 10545-6: Determination of Resistance to Deep Abrasion. Unglazed tiles | 21/06/2024 | Average volume of material removed: 162mm ³ Maximum for standard; 175mm ³ |

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|--|------------|---|
| BSENISO 10545-14: 2015 Determination of Resistance to Stains | 21/06/2024 | Classification for Resistance to Paste Stain: 5 Classification for Resistance to Chemical/Oxidizing Stain: 5 Classification for Resistance to Film Stain: 5 |
|--|------------|---|

Full Test certificates are available on request email info@alusid.co.uk or call +44 (0) 1772 429275

Liability Clauses

- The samples and their description were chosen by Alusid as representative of production
- The results contained in this report only refer to the material subjected to testing.
- The uncertainties have been evaluated according to recommendations of the document ISO/TAG5/WGE : June 95.
- The expanded uncertainties indicated in this report are based on a standard uncertainty multiplied by a coverage factor $k=2$ which is a normal distribution and provides a level of confidence of about 95 %.