

# Declaration of Performance

Product code: SE002

Product range name: Principle

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  $E_b < 10\%$

2. Intended use(s)

Ceramic tiles glazed for internal walls (not for use as food preparation surface)

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	EN 14411:2012
Release of dangerous substance, for: - Lead - Cadmium	(mg/dm <sup>2</sup> )  0.676 <0.001	
Resistance to Staining	Class 5	
Bond strength/adhesion, for: Cementitious adhesive, type C2 Resin adhesive Dispersion	>1 N/mm <sup>2</sup> >2N/mm <sup>2</sup> >1N/mm <sup>2</sup>	
Thermal shock resistance	Pass	
Durability for: - Internal use	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



.....  
Chief Executive Officer

# Testing Summary

## Notified Laboratory:

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

Test Category	Date	Specification - Test Result
BSENISO 10545-2: 1997 Determination of Dimensions - Length & Breadth	10-Dec-2021	Dimension:0.2 mm for the short side 0.17 % (0.5 mm) for the long side Thickness: -2.50 % % (-0.2 mm) Straightness of sides 0.0 mm / -0.1 mm for the short side 0.07 % / -0.14 % (0.2 mm / -0.3 mm) for the long side Rectangularity: 0.3 mm / -0.3 mm for the short side 0.45 % / -0.41 % (1.3 mm / -1.2 mm) for the long side Warpage 0.17 % / -0.13 % (0.5 mm / -0.4 mm)
BSEN ISO 10545-2: 1997 Determination of Surface Quality	10-Dec-2021	100% acceptable
BSENISO 10545-3: 1997 Determination of Water Absorption	10-Dec-2021	Mean 9.1%
BSEN 12004-2:2017 Part 8.3 Determination of tensile adhesive strength for cementitious adhesives.	10-Dec-2021	Mean value of initial shear adhesion strength allowing for any discarded samples is 1.1 N/mm <sup>2</sup>
1.BSEN 12004-2: 2017 Part 8.4 Determination of shear adhesion strength of dispersion adhesives.	10-Dec-2021	Mean value of initial shear adhesion strength allowing for any discarded samples is 2.4 N/mm <sup>2</sup>
1.BSEN 12004-2: 2017 Part 8.5 Determination of shear adhesion strength of reaction resin adhesives.	10-Dec-2021	Mean value of initial shear adhesion strength allowing for any discarded samples is 6.4 N/mm <sup>2</sup>
BS EN ISO 10545-15:1997 Determination of Metal Release of Ceramic Tiles by acetic acid	10-Dec-2021	Soluble Lead <0.6 mg/dm <sup>2</sup> Soluble Cadmium <0.001 mg/dm <sup>2</sup>
BSEN ISO 10545-13: 2016 Determination of Chemical Resistance	10-Dec-2021	Household Chemicals & Swimming Pool Salts Classification: A 12 Stipulated Minimum Classification for Household Chemicals & Swimming Pool Salts: A Low Concentration Acids & Alkalis Classification: A 12 High Concentration Acids & Alkalis Classification: A
BSENISO 10545-4: 2019 Determination of Modulus of Rupture and Breaking Strength	10-Dec-2021	Average 321 N Breaking Strength 1185N MOR 31/mm <sup>2</sup>
BSEN ISO 10545-11: 1996 Determination of Craze Resistance for Glazed Tiles	10-Dec-2021	Craze Resistance Result: The samples showed no signs of crazing
BSENISO 10545-14: 2015 Determination of Resistance to Stains	10-Dec-2021	Classification for Resistance to Paste Stain: 5 Classification for Resistance to Chemical/Oxidizing Stain: 5 Classification for Resistance to Film Stain: 5

Test certificates are available on request email [info@alusid.co.uk](mailto: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 %.