

**1. Unique identification code of the product-type:**

5900139002652

**2. Intended use or uses:**

The ceramic tiles for internal and/or external walls in buildings and industrial facilities.

**3. Manufacturer:**

Ceramika Paradyż Sp. z o.o., ul. Piotrkowska 61, 26-300 Opoczno, Polska

**4. Authorized representative:**

NA - not applicable

**5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:**

Assessment system: 4

**6a. Harmonised standard:**

EN14411:2012

**Notified unit/s:**

NA - not applicable

**6b. European Assessment Document:**

NA - not applicable

**European Technical Assessment:**

NA - not applicable

**Technical Assessment Body:**

NA - not applicable

**Notified unit/s:**

NA - not applicable

**7. Declared performances:**

| Essential characteristics  | Levels and/or classes           | Reference document |
|--|---------------------------------|--------------------|
| Reaction to fire   | A1                              | EN14411:2012       |
| Release of dangerous substances - glazed tiles:                            | -                               | -                  |
| - Lead [mg/dm <sup>2</sup> ]   | NA - not applicable             | EN14411:2012       |
| - Cadmium [mg/dm <sup>2</sup> ]  | NA - not applicable             | EN14411:2012       |
| - Other  | NPD - no performance determined | EN14411:2012       |
| Bond strength / adhesion [N/mm <sup>2</sup> ]:                             | -                               | -                  |
| - cementitious adhesives   | ≥ 0.5                           | EN14411:2012       |
| - dispersion adhesives   | ≥ 1                             | EN14411:2012       |
| - reaction resin adhesives   | ≥ 2                             | EN14411:2012       |
| - mortar   | NPD - no performance determined | EN14411:2012       |
| Thermal shock resistance   | Pass                            | EN14411:2012       |
| Breaking strength [N]  | minimum 1100                    | EN14411:2012       |
| Slipperiness according to CEN/TS 16165:2021, Annex B - $\alpha_{shod}$ [°] | NA - not applicable             | EN14411:2012       |
| Tactility  | NPD - no performance determined | EN14411:2012       |
| Durability for:  | -                               | -                  |
| - internal uses  | Pass                            | EN14411:2012       |
| - external uses: freeze-thaw resistance                                    | Pass                            | EN14411:2012       |

**8. Appropriate Technical Documentation and/or Specific Technical Documentation:**

NA - not applicable

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

**Kazimierz Ruczyński - Production Manager**

**Wielka Wola on 2024/04/15**



Applies to the product: SUNDOWN TUNDRA PARAPET 24,5X13,5 G1

Group: BI<sub>b</sub>

**1. Detailed information about the application:**

The ceramic tiles for internal and/or external walls in buildings and industrial facilities.

| Characteristics  | Levels and/or classes           | Reference document                 |
|--|---------------------------------|------------------------------------|
| Thickness  | 11.0 mm                         | EN14411:2012                       |
| The permissible deviation of the average width for each tile from the work size width                                | ± 0.9 mm                        | EN14411:2012                       |
| The permissible deviation of the average length for each tile from the work size length                              | ± 0.6 %; ± 2.0 mm               | EN14411:2012                       |
| The permissible deviation of the average thickness of each tile from the work size thickness                         | ± 5 %; ± 0.5 mm                 | EN14411:2012                       |
| The maximum permissible deviation from straightness, related to the corresponding work size (width)                  | ± 0.75 mm                       | EN14411:2012                       |
| The maximum permissible deviation from straightness, related to the corresponding work size (length)                 | ± 0.5 %; ± 1.5 mm               | EN14411:2012                       |
| The maximum permissible deviation from rectangularity related to the corresponding work size (width)                 | ± 0.75 mm                       | EN14411:2012                       |
| The maximum permissible deviation from rectangularity related to the corresponding work size (length)                | ± 0.5 %; ± 2.0 mm               | EN14411:2012                       |
| The maximum permissible deviation from flatness centre curvature, related to diagonal calculated from the work sizes | ± 0.5 %; ± 2.0 mm               | EN14411:2012                       |
| The maximum permissible deviation from flatness edge curvature, related to the corresponding work size (width)       | ± 0.75 mm                       | EN14411:2012                       |
| The maximum permissible deviation from flatness edge curvature, related to the corresponding work size (length)      | ± 0.5 %; ± 2.0 mm               | EN14411:2012                       |
| The maximum permissible deviation from flatness warpage, related to diagonal calculated from the work sizes          | ± 0.5 %; ± 2.0 mm               | EN14411:2012                       |
| Water absorption E <sub>b</sub> [%]  | 0.5 < E <sub>b</sub> ≤ 3        | EN14411:2012                       |
| Breaking strength [N]  | minimum 1100                    | EN14411:2012                       |
| Flexural tensile strength [N/mm <sup>2</sup> ]   | minimum 30                      | EN14411:2012                       |
| Resistance to deep abrasion - unglazed tiles [mm <sup>3</sup> ]  | NA - not applicable             | EN14411:2012                       |
| Resistance to surface abrasion - glazed tiles, PEI/number of rotations   | NA - not applicable             | EN14411:2012                       |
| Crazing resistance - glazed tiles  | NA - not applicable             | EN14411:2012                       |
| Impact resistance  | NPD - no performance determined | EN14411:2012                       |
| Resistance to staining   | minimum 3 class                 | EN14411:2012                       |
| Resistance to low concentrations of acids and alkalis  | LB class                        | EN14411:2012                       |
| Resistance to high concentrations of acids and alkalis   | HB class                        | EN14411:2012                       |
| Resistance to household chemicals and swimming pool salts  | A class                         | EN14411:2012                       |
| Natural radioactivity [Bq/kg]  | f1 ≤ 1, f2 ≤ 240                | EN14411:2012                       |
| Slip - BARE FOOT   | NA - not applicable             | DIN EN 16165:2023-02, Attachment A |
| Slip - BARE FOOT α <sub>barefoot</sub> [°]   | NA - not applicable             | EN 16165:2021, Attachment A        |
| Slip resistance - R  | NA - not applicable             | DIN EN 16165:2023-02, Attachment B |
| Slip resistance (PTV) - risk of dry/wet slippage - slider 55   | NA - not applicable             | BS 7976-2:2002+A1:2013 / UKSRG     |
| Slip resistance (PTV) - risk of dry/wet slippage - slider 96   | N/A - not applicable            | BS 7976-2:2002+A1:2013 / UKSRG     |
| Displacement area class / displacement surface   | NA - not applicable             | DIN 51130                          |
| Emissions of volatile organic compounds (VOCs) - class   | A+                              | ISO 16000                          |
| Thermal conductivity coefficient [W/m*K]   | NPD - no performance determined | PN-EN 12664                        |
| Safety class of glass products   | NA - not applicable             | PN-EN 12600                        |

**2. Documents**

Certificate of product compliance with the Polish Standard No. 98/N/21, Certificate authorising the product to bear the safety mark B No. 97/B/21, Hygienic Certificate No. B-BK-60211-0259/20.

Signed for and on behalf of the manufacturer by:

**Kazimierz Ruczyński - Production Manager**  
**Wielka Wola on 2024/04/15**

