

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

5902610580277

**2. Intended use or uses:**

The ceramic tiles for internal floorings, including stairs, and internal and/or external walls in buildings.

**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/A1 <sub>FL</sub>	EN14411:2012
Release of dangerous substances - glazed tiles:	-	-
- Lead [mg/dm <sup>2</sup> ]	≤ 0.8	EN14411:2012
- Cadmium [mg/dm <sup>2</sup> ]	≤ 0.07	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 1300	EN14411:2012
Slipperiness according to CEN/TS 16165:2021, Annex B - $\alpha_{shod}$ [°]	$6 \leq \alpha_{shod} < 10$	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: MACROSIDE ANTRACITE GRES SZKL. REKT. MAT. 59,8X59,8 G1  
Group: BI<sub>a</sub>

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

Product recommended for all residential areas with average traffic intensity, e.g: kitchens, bathrooms, excluding areas with a direct outside access. The tiles should be protected from scratching.

Characteristics	Levels and/or classes	Reference document
Thickness	9.0 mm	EN14411:2012
The permissible deviation of the average width for each tile from the work size width	± 0.6 %; ± 2.0 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)	± 0.5 %; ± 1.5 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)	± 0.5 %; ± 2.0 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)	± 0.5 %; ± 2.0 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	EN14411:2012
Breaking strength [N]	minimum 1300	EN14411:2012
Flexural tensile strength [N/mm <sup>2</sup> ]	minimum 35	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	3/750 Class	EN14411:2012
Crazing resistance - glazed tiles	Pass	EN14411:2012
Impact resistance	NPD - no performance determined	EN14411:2012
Resistance to staining	5 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	NPD - no performance determined	DIN EN 16165:2023-02, Attachment A
Slip - BARE FOOT α <sub>barefoot</sub> [°]	NPD - no performance determined	EN 16165:2021, Attachment A
Slip resistance - R	R9	DIN EN 16165:2023-02, Attachment B
Slip resistance (PTV) - risk of dry/wet slippage - slider 55	NPD - no performance determined	BS 7976-2:2002+A1:2013 / UKSRG
Slip resistance (PTV) - risk of dry/wet slippage - slider 96	NPD - no performance determined	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. 96/N/21, Certificate authorising the product to bear the safety mark B No. 95/B/21, Hygienic Certificate No. B.BK.60110.1523.2023.

Signed for and on behalf of the manufacturer by:

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

