

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

5904584157783

**2. Intended use or uses:**

The ceramic tiles for internal and /or external floorings and walls, including stairs, 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:**

BS EN 14411:2012

**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>	BS EN 14411:2012
Release of dangerous substances - glazed tiles:	-	-
- Lead [mg/dm <sup>2</sup> ]	≤ 0.8	BS EN 14411:2012
- Cadmium [mg/dm <sup>2</sup> ]	≤ 0.07	BS EN 14411:2012
- Other	NPD - no performance determined	BS EN 14411:2012
Bond strength / adhesion [N/mm <sup>2</sup> ]:	-	-
- cementitious adhesives	≥ 0.5	BS EN 14411:2012
- dispersion adhesives	≥ 1	BS EN 14411:2012
- reaction resin adhesives	≥ 2	BS EN 14411:2012
- mortar	NPD - no performance determined	BS EN 14411:2012
Thermal shock resistance	Pass	BS EN 14411:2012
Breaking strength [N]	minimum 1300	BS EN 14411:2012
Slipperiness according to CEN/TS 16165:2021, Annex B - $\alpha_{shod}$ [°]	$6 \leq \alpha_{shod} < 10$	BS EN 14411:2012
Tactility	NPD - no performance determined	BS EN 14411:2012
Durability for:	-	-
- internal uses	Pass	BS EN 14411:2012
- external uses: freeze-thaw resistance	Pass	BS EN 14411:2012

**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. The declaration of performance is issued under the sole responsibility of the manufacturer

Signed for and on behalf of the manufacturer by:

**Karol Goździk - Plant Manager**

**Tomaszów Mazowiecki on 2024/09/18**



Applies to the product: MARVELSTONE GREY GRES SZKL. REKT. MAT. 59,8X119,8 G1  
Group: BI<sub>a</sub>

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

The product is recommended for all interiors with medium traffic, such as: houses, service and commercial premises. The tiles should be protected against scratching elements.

Characteristics	Levels and/or classes	Reference document
Thickness	8,0 mm	BS EN 14411:2012
The permissible deviation of the average width for each tile from the work size width	± 0.6 %; ± 2.0 mm	BS EN 14411:2012
The permissible deviation of the average length for each tile from the work size length	± 0.6 %; ± 2.0 mm	BS EN 14411:2012
The permissible deviation of the average thickness of each tile from the work size thickness	± 5 %; ± 0.5 mm	BS EN 14411:2012
The maximum permissible deviation from straightness, related to the corresponding work size (width)	± 0.5 %; ± 1.5 mm	BS EN 14411:2012
The maximum permissible deviation from straightness, related to the corresponding work size (length)	± 0.5 %; ± 1.5 mm	BS EN 14411:2012
The maximum permissible deviation from rectangularity related to the corresponding work size (width)	± 0.5 %; ± 2.0 mm	BS EN 14411:2012
The maximum permissible deviation from rectangularity related to the corresponding work size (length)	± 0.5 %; ± 2.0 mm	BS EN 14411:2012
The maximum permissible deviation from flatness centre curvature, related to diagonal calculated from the work sizes	± 0.5 %; ± 2.0 mm	BS EN 14411:2012
The maximum permissible deviation from flatness edge curvature, related to the corresponding work size (width)	± 0.5 %; ± 2.0 mm	BS EN 14411:2012
The maximum permissible deviation from flatness edge curvature, related to the corresponding work size (length)	± 0.5 %; ± 2.0 mm	BS EN 14411:2012
The maximum permissible deviation from flatness warpage, related to diagonal calculated from the work sizes	± 0.5 %; ± 2.0 mm	BS EN 14411:2012
Water absorption E <sub>b</sub> [%]	≤ 0.5	BS EN 14411:2012
Breaking strength [N]	minimum 1300	BS EN 14411:2012
Flexural tensile strength [N/mm <sup>2</sup> ]	minimum 35	BS EN 14411:2012
Resistance to deep abrasion - unglazed tiles [mm <sup>3</sup> ]	NA - not applicable	BS EN 14411:2012
Resistance to surface abrasion - glazed tiles, PEI/number of rotations	3/1500 class	BS EN 14411:2012
Crazing resistance - glazed tiles	Pass	BS EN 14411:2012
Impact resistance	NPD - no performance determined	BS EN 14411:2012
Resistance to staining	5 class	BS EN 14411:2012
Resistance to low concentrations of acids and alkalis	LA class	BS EN 14411:2012
Resistance to high concentrations of acids and alkalis	HA class	BS EN 14411:2012
Resistance to household chemicals and swimming pool salts	A class	BS EN 14411:2012
Natural radioactivity [Bq/kg]	f1 ≤ 1, f2 ≤ 240	BS EN 14411:2012
Slip - BARE FOOT	NPD - no performance determined	BS EN 14411:2012
Slip - BARE FOOT α <sub>barefoot</sub> [°]	NPD - no performance determined	BS EN 14411:2012
Slip resistance - R	R9	BS EN 14411:2012
Slip resistance (PTV) - risk of dry/wet slippage - slider 55	LOW (≥36) / HIGH (≤24)	BS EN 14411:2012
Slip resistance (PTV) - risk of dry/wet slippage - slider 96	LOW (≥36) / HIGH (≤24)	BS EN 14411:2012
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
Class UPEC	NA - not applicable	CSTB-Cahier 3778_V6

**2. Documents**

Certificate of product compliance with the Polish Standard No. 3/N/22; Certificate authorising the product to bear the safety mark No. 2/B/22; Hygienic Certificate No. B.BK.60111.0062.2022.

Signed for and on behalf of the manufacturer by:

**Karol Goździk - Plant Manager**  
**Tomaszów Mazowiecki on 2024/09/18**

