

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

5904584138980

**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:**

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 <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
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
Thermal shock resistance	Pass	EN14411:2012
Breaking strength [N]	minimum 1300	EN14411:2012
Slipperiness according to CEN/TS 16165:2012, Annex B	R9	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:**

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:

**Karol Goździk - Plant Manager**

**Tomaszów Mazowiecki date 2020-06-01**



Applies to the product: TAMMI NATURALE GRES SZKL. REKT. MAT. 29,4X180 G1  
Group: B<sub>1</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	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
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	3/1500 class	EN14411:2012
Crazing resistance - glazed tiles	Resistant	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	LA class	EN14411:2012
Resistance to high concentrations of acids and alkalis	HA 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 resistance acc. to CEN/TS 16165:2012, Appendix A (BARE FOOT)	NPD - no performance determined	EN14411:2012
Slip resistance acc. to CEN/TS 16165:2012, Appendix C (PTV) - risk of dry/wet slippage - slider 55	NPD - no performance determined	EN14411:2012
Slip resistance acc. to CEN/TS 16165:2012, Appendix C (PTV) - risk of dry/wet slippage - slider 96	NPD - no performance determined	EN14411:2012
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]	1,625	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. 4/N/18; Certificate authorising the product to bear the safety mark No. 3/B/18; Hygienic Certificate No. BK/B/0168/01/2018.

Signed for and on behalf of the manufacturer by:

**Karol Goździk - Plant Manager**

**Tomaszów Mazowiecki date 2020-06-01**

