

Declaration of performance

Nr. 0001-09

KerAion

1. **Unique identification code of the product type:**, "extruded ceramic tiles, precision, with low water absorption of $0,5\% \leq E \leq 3\%$, Group Ab, glazed (GL) and unglazed (UGL)" (Stoneware tile)
(Product type for identification:) (Product group according to EN 14411: Ab)
"extruded tiles, precision, with low water absorption of $E \leq 0,5\%$, Group A1a, glazed (GL) and unglazed (UGL)" (Porcelain stoneware tile)
(Product group according to EN 14411: A1a)
2. **Intended use or intended uses:** For facades- wall coverings in indoor and outdoor areas
3. **Manufacturer:** DEUTSCHE STEINZEUG Solar Ceramics GmbH,
Servaisstraße 9, 53347 Alfter – Witterschlick, Germany
4. **System or systems for evaluation and Verification of constancy of performance:** System 4
(System for the evaluation and verification of the Stability of performance of the construction product according to Annex V:)
5. **Harmonized standard:** DIN EN 14411 (2012)
6. **Declared performance:**

Essential characteristics	Performance
Behaviour in fire	A1
Delivery of dangerous substances:	
- Cadmium	NPD / no performance determined
- Lead	NPD / no performance determined
- Others	NPD / no performance determined
Durability in the case of:	
- Applications in indoor areas	Passed
- Applications in outdoor areas:	Passed
Breaking strength	Tile thickness < 7.5mm: > 600N Tile thickness $\geq 7.5\text{mm}$: > 1.100N
Modulus of rupture	> 30 N/mm ² ($\geq 35\text{N/mm}^2$)*
Non-slip properties	
CEN/TS 16165 (Annex A, B, C, D)	NPD / no performance determined
Tactility	NPD / no performance determined
Bond strength / adhesive strength:	
- Mortars containing cement, type C	0,5 N / mm ²
- Dispersion adhesives	NPD / no performance determined
- Reaction resin adhesives	NPD / no performance determined
- Mortars	NPD / no performance determined
Thermal shock resistance (outdoor)	Passed

*For testing according to requirements of ETA- 21/ 0873


7. the performances of the above mentioned product correspond to the declared performances. This declaration of performance has been drawn up in accordance with Regulation (EU) No. 305/2011 under the sole responsibility of the manufacturer indicated above.

Signed for and on behalf of the manufacturer of:
Norbert Schäfer (Chief Executive Officer), Peter Heinevetter (Chief Executive Officer)

(name and function)

Alfter – Witterschlick, October 1st, 2024

(place and date of issue)


Deutsche Steinzeug
Solar Ceramics GmbH
Servaisstraße 9
53347 Alfter-Witterschlick