

## Declaration of performance No.: D 13 01

- Unique product ID: Dxxxxxx except mosaics DDPxxxxx, DDMxxxxx, DDV1Vxxx, shaped pieces DSAxxxxx, DSKxxxxx, DDFxxxxx, DDPxxxxx, DDRSNxxx and stair elements DCPxxxxx, DCLPKxxx
- The type, series or another identification code of the product that enables its unique identification: a glazed ceramic tile element with water absorption up to 0.5 % - all series listed in the RAKO HOME catalogue with a catalogue number as per point 1 (trade name Kentaur).
- Intended use:  
This group of products involves glazed tile elements for final finishing of internal and external floors and walls in areas that may be subject to frost and higher mechanical stress, excluding floors in special conditions. The range of colours is diverse, with various types of decor in natural variation of shades, which are marked on the packaging. It is necessary to pay attention to information provided on the packaging, accompanying leaflets and the producer's technical catalogue before installation of the product (<http://www.rako.cz/ke-stazeni/katalogy-cenik.html>). It is also important to abide by the rules for application of construction chemicals.
- Name, company, contact address: LASSELSBERGER, s.r.o., Adelova 2549/1, 320 00 Plzeň - Jižní Předměstí (ID: 25238078) Czech Republic, Phone No.: 420378021111, Fax: +420 378021 119, E-mail: [info@rako.cz](mailto:info@rako.cz).
- Systems for assessing and verifying stability of structural products' properties: System 4 (annex V. point 1.5 Regulation of the European Parliament and the Commission (EU) No. 305/2011, dated 9th March 2011).
- In case of the declaration of performance concerning a construction product covered by a harmonized standard: EN 14 411: 2016. Name and number of notified body: not applicable.
- The properties listed in the statement apply for all commercial quality classes:

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire	Class A1 <sub>n</sub> /A1	without testing (decree 96/603 EHS)
Breaking strength	≥1500 N	EN 14 411: 2016
Modulus of rupture	Min. 35 N/mm <sup>2</sup> , Individual min. 32 N/mm <sup>2</sup>	
Slipperiness	The slip resistance value as CEN/TS 16165 is given in Table 1.	
Tactility	NPD	
Durability for: -internal use -external use: freeze-thaw resistance	Pass Pass	
Thermal shock resistance	Pass	
Adhesion	- with bonding cement type C2:≥1.0 N/mm <sup>2</sup> - with dispersion adhesives: ≥ 1.0 N/mm <sup>2</sup> - with reactive resin adhesives: ≥ 2.0 N/mm <sup>2</sup>	EN 14 411: 2016
Release of dangerous substances, for: - Cadmium - Lead	max. 0.07 mg/dm <sup>2</sup> max. 0.8 mg/dm <sup>2</sup>	
Assessment of natural radionuclide content	max. index of mass activity 1.0	
		law No. 263/2016 Coll., and implementing regulation No. 422/2016 Coll., §102 as amended

The products satisfy requirements for the content of natural radionuclides pursuant to the Regulation No. 422/2016 Coll., as currently amended. The products further satisfy requirements for Cd and Pb infusibility in accordance with EN 14 411: 2016 and can be used on worktops and wall surfaces where food is prepared and where food gets in direct contact with the glazed surface of the tile element.

**Table 1: Slip resistance of glazed sintered ceramic tile elements as CEN/TS 16165:**

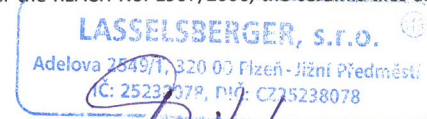
Name of the method Type of surface as per the series and the product ID	friction coefficient		DIN 51 130	DIN 51 097
	μ dry	μ wet	R	(A, B, C)
Base DAKxxxxx	≥0,5	≥0,3	R9	A
Alba DARxxxxx, Kaamos DAKxxxxx, Kaamos DAAxxxxx, Board DDPSExxx, Trend DDPSExxx, Cemento DDPSExxx, Travertin DARxx03x, Stones DAKxxxxx,	≥0,6	≥0,5	R10	A
Cemento DAGxxxxx, Stones DAGxxxxx	≥0,7	≥0,6	R11	C
Alba Lap. DAPxxxxx, Alba DDPSExxx, Cemento DAKxxxxx, Clay DARxx6xx, DDVSExxx, Concept DAAxxxxx, Defile DAAxx36x, Defile lappato DAPxxxxx, Rock Lappato DAPxx6xx, Sandstone Plus Lappato DAPxxxxx, Sandy DAKxxxxx, Stones Lappato DAPxxxxx, DECO Dxxxxxxx, Unistone DAxxxxxx,	≥0,6	≥0,5	R9	-
Golem DAKxxxxx, Pietra di Mare,	≥0,6	≥0,3	R9	-
Base DAR12xxx, Cemento DARxxxxx, Extra DAR12xxx, Kaamos DAK12xxx, Stones DARxxxxx, Sandy DARxxxxx, DDPSExxx, Unistone DAR12xxx, DAR1Dxxx, Stones DARxxxxx, DDPSExxx, Base DARxxxxx, Trend DAK12xxx,	≥0,6	≥0,5	R10	B
Board DAKxxxxx, Garda DAA3Bxxx, Random DAKxxxxx, Extra DARxxxxx, Era DAR3Bxxx, Form Dxx3Bxxx, Form dekor DDP3Bxxx, Golem DDPxxxxx, Sandstone Plus DAKxx27x, Trend DAKxxxxx, Extra DARxxxxx, Faro DARSUxxx, Como Dxx3Bxxx, Fashion DAKSExxx,	≥0,6	≥0,5	R9	A
Geo DARxx31x,	≥0,7	≥0,5	R10	A
Pietra, DARxx6xx, Rock DAxxx6xx, DDVSExxx,	≥0,6	≥0,5	R10	A
Pietra DDPSExxx, Rock DAK126xx, DDP34xxx, DAK1Dxxx, Geo DDP44xxx, Pebbles DAR3Bxxx,	≥0,7	≥0,6	R10	B
Siena DDPxxxxx,	≥0,6	≥0,4	R9	A
Sidney DAA4412x, Siena DARxxxxx, Spirit DAK44xxx,	≥0,6	≥0,4	R9	-
Unistone DAR63xxx, DARSExxx, DAR3Bxxx, DAR26xxx, DDPSExxx,	≥0,6	≥0,5	R10	A
Via DARxxxxx, Via dekor DDVT8xxx.	≥0,6	≥0,5	R9	A

- Properties of the product listed in points 1 and 2 are in conformity with properties listed in point 7. As per the REACH No. 1907/2006, the ceramic tiles are objects that release no chemical substances.

This statement on the properties has been issued under the full responsibility of a producer specified in point 4.

Signature on behalf of the producer:

31<sup>st</sup> December 2017, Pilsen



Ing. Zuzana Fajfrová, Quality Manager