



**Declaration of performance No.: T 13 01**

- Unique product ID: Txx12xxx, Txx1Dxxx, Txx26xxx, Txx35xxx, TxxSAxxx, Txx61xxx, Txx64xxx, TxxVBxxx, TxxSExxx, Txx29xxx, Txx3Rxxx except mosaics, shaped and step tiles TDM06xxx, TCA35xxx, TCP35xxx, TCV35xxx, TSAJBxxx, TSFJBxxx, TSPCExxx, TSPEMxxx, TSIRBxxx, TSEBxxx, TSZEFxxx, TCFJHxxx, TTRxxxxx, TTPxxxxx, TSPJBxxx.
- The type, series or another identification code of the product that enables its unique identification: non-glazed ceramic tile element with low water absorption up to 0,5%: the TAURUS Color, Granit, Porfyr, Double and Industrial series in all sizes presented in the RAKO OBJECT catalogue (see Point 1).
- Intended use:  
This group of products involves non-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: evaluation system 3 (annex V. point 1.4 Regulation of the European Parliament and the Commission (EU) No. 305/2011, dated 9th March 2011).
- The Technical and Test Institute for Construction Prague performed an evaluation in conformity with system 3 and issued a Protocol on Conformity Verification, type No. 031415 regarding a statement on the structural products' properties subject to the standard EN 14 411: 2012.
- 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 for all TAURUS sizes except Txx29xxx and Txx3Rxxx ≥5500 N only for Txx29xxx ≥5000 N only for Txx3xxx	EN 14 411: 2012
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: 2012
Release of dangerous substance, 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	

The products satisfy requirements for the content of natural radionuclides pursuant to the Regulation No. 307/2002 Coll., as currently amended. The products further satisfy requirements for Cd and Pb infusibility in accordance with ČSN EN 14 411 ed.2:2013 and can be used on worktops and wall surfaces where food is prepared and where food gets in direct contact with the facing surface of the tile element.

**Table 1: Properties of non-slip non-glazed sintered ceramic tile elements as CEN/TS 16165 and ČSN 72 5191:**

Name of the method	friction coefficient		DIN 51 130, BGR 181		DIN 51 097
	μ dry	μ wet	R	V (cm <sup>3</sup> /dm <sup>2</sup> )	(A, B, C)
Type of surface and the product ID					
Surface S 10 x 10 cm - TAA12xxx	≥0.7	≥0.6	R10		B
Surface S 15 x 15 cm - TAA1Dxxx	≥0.7	≥0.6	R10		A
Surface S 20 x 20 cm - TAA26xxx	≥0.7	≥0.6	R10		A
Surface S ≥ 30 x 30 cm - TAA35xxx, TAASAxxx, TAA61xxx	≥0.6	≥0.6	R9		A
Surface S ≥ 30 x 30 cm Porfyr TAA35Axxx, TAA35Lxx	≥0.6	≥0.6	R10		A
Surface SB - TAB35xxx	≥0.7	≥0.6	R10		A
Embossed SR1- TR126xxx, TR129xxx	≥0.7	≥0.6	R11	V4	B
Embossed SR2- TR226xxx	≥0.7	≥0.6	R12	V4	B
Embossed SR3- TR30xxx	≥0.7	≥0.6	R12		B
Embossed SR4- TR426xxx, TR429xxx	≥0.7	≥0.6	R12	V4	C
Embossed SR7- TR726xxx, TR735xxx	≥0.7	≥0.6	R11		B
Embossed SR20- TRA26xxx	≥0.7	≥0.6	R13	V8	C
Embossed SRM- TRM26xxx, TRM29xxx	≥0.6	≥0.6	R11		B
Embossed SRU- TRUSAxxx, TRU61xxx	≥0.7	≥0.6	R10		B
Taurus Double surface ST - TANSExxx, TANG4xxx	≥0.6	≥0.5	R9		-
Polished surface TALxxxx	≥0.3	≥0.3	-		-

- 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:

1<sup>st</sup> October 2013, Pilsen



Ing. Zuzana Fajfrová, Quality Manager