



® TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.

Technical and Test Institute for Construction Prague

Akreditovaná zkušební laboratoř, Autorizovaná osoba, Notifikovaná osoba, Oznamovaný subjekt, Subjekt pro technické posuzování, Certifikační orgán, Inspekční orgán / Accredited Testing Laboratory, Authorized Body, Notified Body, Technical Assessment Body, Certification Body, Inspection Body. Prosecká 811/76a, 190 00 Praha 9 - Prosek, Czech Republic

Notified Body 1020

Branch 0200 – České Budějovice

REPORT

on the assessment of performance

according to the Regulation (EU) 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), Art. 1.4 of the Annex V (system 3)

No. 1020-CPR-020-040079

Trade name:

Tile adhesive No.11 T.M. "Power Plast"

type / variation:

cementitious adhesive for tiles type C1E

Manufacturer:

OOO «PAK«RieltInvest Ocenka»

INo: 2345004377

Address: Russian Federation, 352272, Krasnodarskij region, Otradenskij rajon chutor Chloponin, Moskevskaja Str. 1

Plant: OOO «PAK«RieltInvest Ocenka»

Order: Z 020 18 0292

Number of report pages including title-page: 3

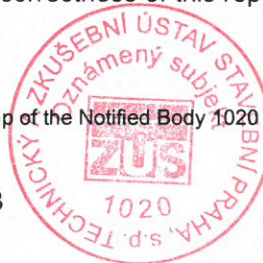
Number of Annexes: 1

The person taking responsibility for the content of this report:

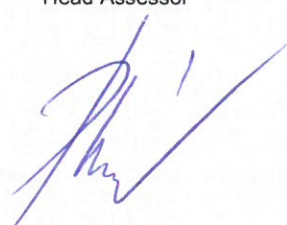

Ing. Dana Pilařová
Head Assessor

The person taking responsibility for the correctness of this report:

Stamp of the Notified Body 1020



České Budějovice, 22th November 2018


Ing. Milan Pálka
Deputy Manager of the Notified Body 1020

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Bank Name: KB Praha 1 Czech Republic, Account Number: 1501-931/0100, INo: 000 15679, VAT: CZ00015679

1 Specification of tested subject

Description and intended use of the product: **Tile adhesive No.11 T.M. "Power Plast"** is cementitious tile adhesive suitable for installing floor and wall tiles in internal and external surroundings. Type C1E according to EN 12004.

Technical specification: EN 12004:2007 + A1:2012 Adhesives for tiles - Requirements, evaluation of conformity, classification and designation.

Manufacturer: OOO «PAK«RieltInvest Ocenka»

Plant: Russian Federation, 352272, Krasnodarskij region, Otradenskij rajon chutor Chloponin, Moskevskaja Str. 1

2 Sampling

Date of sampling: 04.10.2018

Place of sampling: Russian Federation, 352272, Krasnodarskij region, Otradenskij rajon chutor Chloponin, Moskevskaja Str. 1

Sample Registration number: VZ040182156

3 The assessment of performance on basis of testing, calculation, table values, descriptive documentation

3.1 The assessment on basis of testing

3.1.1 Tensile adhesive strength EN 1348

The tests were performed by TZÚS Praha, s. p., branch České Budějovice. The test results are stated in the Test report No. 020-040078 date of 19/11/2018.

Table No. 1

Characteristic	Obtained data value
Initial tensile adhesion strength	1.55 MPa
Tensile adhesion strength after water immersion	0.77 MPa
Tensile adhesion strength after heat ageing	0.53 MPa
Tensile adhesion strength after freeze-thaw cycles	1.12 MPa

3.1.2 Content and release of dangerous substances

Measurement and evaluation of natural radionuclide content

The evaluation was carried out according to Regulation SÚJB no. 422/2016 Sb.

The tests were performed by TZÚS Prague, Teplice Branch, Tolstého 447, 4150 03 Teplice.

The test results are stated in the Testing report No. 040-059535 date of 02.11.2018. (annex No. 1)

Table No. 2

Characteristic	Obtained data value
Measured mass activity "a" Ra-226	6 ± 2 Bq/kg
Index of mass activity "I"	0.09 ± 0.04



3.2 The assessment on basis of calculation

3.2.1 Release of dangerous substances

Assessment on content of hexavalent Chrome

Is not performed if applicant brings out evidence of conformity with of EC Regulation No.1907/2006 for cement used.

4 Summary

Table No. 3

Characteristic	Test method	Value determined	Requirement EN 12004 + A1 type C1E
Initial tensile adhesion strength	EN 1348	1.55 MPa	≥ 0.5 MPa
Tensile adhesion strength after water immersion		0.77 MPa	≥ 0.5 MPa
Tensile adhesion strength after heat ageing		0.53 MPa	≥ 0.5 MPa
Tensile adhesion strength after freeze-thaw cycles		1.12 MPa	≥ 0.5 MPa
release of dangerous substances • Measured mass activity "a" Ra-226 • Index of mass activity "I"	Recommendation of SÚJB	6 ± 2 Bq/kg 0.09 ± 0.04	≤ 1
Determination of Cr ⁶⁺ content	EN 196-10	Is not performed if applicant brings out evidence of conformity with of EC Regulation No.1907/2006 for cement used	

5 Annexes

1. Testing report No. 040-059535 date of 22.11.2018 – TZÚS Teplice.

END OF THE PROTOCOL





TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
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Centrální laboratoř - zkušebna Teplice

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 Laboratoř radionuklidů č. m.: 113

REPORT No. 040-059535

Measuring and evaluating the content of natural radionuclides in construction materials.

Basic data:

Client: **OOO «PAK«RieltInvest Otsenka»**
 Address: Russian Federation, 352272, Krasnodar Territory, Otradnensky District, Hutor Khloponin, Moskovskaya Street, No.1
 Company identification No.: ---
 Production plant: **OOO «PAC«RiseltInvestRating»**
 Address: Russian Federation, 352272, Krasnodar Territory, Otradnensky District, Hutor Khloponin, Moskovskaya Street, No. 1
 Job No.: Z040 18 0255

Sample data:

Sample No.: VZ 040 18 2204
 Sample: Tile adhesive No11 T.M. Power Plast
 Kind of material: Building products of concrete, plaster, cement and lime
 Sampling site: plant
 Sampling date: 05.10.2018 (delivered to the Czech Republic)
 Date received: 10.10.2018
 Measurement date: 02.11.2018

Permission to measure and evaluate the content of natural radionuclides in construction materials was granted to Technický a zkušební ústav stavební Praha, s.p. – Teplice Branch by the decision of State Office for Nuclear Safety ref. No. SÚJB/OPZ/16533/2008 on 15 July 2008 with unlimited validity

Result of the test:

Test: Measuring and evaluating the content of natural radionuclides in construction materials.
 Test procedure: The sample was measured in a standard Marinelli beaker after radioactive equilibrium was established by EMS-1 SH detection system, ser. No.: ÚJP 025, made by EMPOS, s. r. o. Praha (scintillation detector NaJ/Tl 50 × 50 mm, MCA 1256), verified pursuant to Act on Metrology No. 505/1990 Coll. - Verification Certificate ČMI No. 1054-PS-50031-17 of 29 December 2017, valid until 31 December 2019.
 Responsible worker: Mr. Lukáš Rulf (Decision of SÚJB to grant authorization ZOZ ref. No. SÚJB/OPR/14241/2018)
 Sample taken by: manufacturer's representative

Natural radionuclide	Measured activity concentration "a" [Bq·kg ⁻¹]	Activity concentration index "I" (calculation)
Ra-226	a _{Ra} 6 ± 2	I = a _K / 3000 Bq·kg ⁻¹ + a _{Ra} / 300 Bq·kg ⁻¹ + a _{Th} / 200 Bq·kg ⁻¹ (see Section 3 (h) of the SÚJB Decree No. 422/ 2016 Coll.)
Th-228	a _{Th} 6 ± 1	
K-40	a _K 121 ± 20	

Test evaluation:

The mass activity index does not exceed the value I = 1 as defined in Decree No 422/2016 Sb. for building materials used for residential or residential premises.

Testing equipment:

The used instruments and gauges are verified and calibrated according to the valid plan at the Teplice Testing Facility.

Author:

Lukáš Rulf
 author of this document

Approved by:

Ing. Pavel Bartoš
 testing facility manager deputy
 Teplice on 02.11.2018



Copy No.:

This Report has 1 page and is issued as 1 copy.

Statement: The test results presented in this Report apply only to the tested object and do not substitute any other documents. The report may not be reproduced in any other way except in its entirety, without the written approval of the testing laboratory.