

## TEST REPORT No. 40-14-0545

### JOB

No.: 40140275

Client:

### OBJECT OF TESTING

Product:

Manufacturer: Manufacturer is the client

Manufacturing plant: At the manufacturer's address

Standard of product: EN 14315-1:2013

### PRODUCT SAMPLE

Description of sample: Sprayed rigid polyurethane (PUR) foam product

Designation of sample by client:

Date of production: stated with batch numbers in Tables 3 and 4

Place and date of sampling: inexplicit

Sampler: Client

Place and date of delivery: Branch Nitra; 29<sup>th</sup> July 2014

Designation of sample by laboratory: 14415

### TESTS

Table 1 - Properties, test methods

Property	Test method	Test conditions	Test method deviations	Date of testing	Test specimens prepared by	Tested by
Long-term water absorption by partial immersion	EN 12087:2013 method 1A	(23±5)°C	Immersion 30 mm	from 17/10/2014 to 14/11/2014	Branch Nitra	Rongyoš

Description of test specimens:

2 x 4 pcs test specimens with undulated surface as remained after foaming.

The water level was increased to cover the whole undulated tested surface, so the side edges of test specimens were coated with waterproof layer. Dimensions of test specimens are shown in Tables 3 and 4.

Table 2 - Applied instrumentation

ID	Name	Range	Unit	Division
M400029	Scales with non-automatic function	5+12000	g	0.1
M400036	Steel tape	0+5	m	0,001
M400112	Calliper	0+300	mm	0.01

## RESULTS

**Table 3 - Long-term water absorption by partial immersion - tested surface with skin - method 1A (kg/m<sup>2</sup>)**

Test specimen identification	Date of production	Batch No.	Length (mm)	Width (mm)	Mass (g)		Long-term water absorption by partial immersion	
					Initial	After 28 days, partial immersion	Individual values (kg/m <sup>2</sup> )	Mean value (kg/m <sup>2</sup> )
14415-3/DN1	09/04/2014	409D	204,2	196,8	182,8	183,8	0,02	<b>0,04</b>
14415-3/DN2			199,9	198,8	146,8	149,3	0,06	
14415-6/DN1	29/04/2014	429D	201,5	199,3	152,2	154,1	0,05	
14415-6/DN2			200,6	198,9	151,2	151,8	0,02	
Expanded uncertainty(kg/m <sup>2</sup> ):								<b>±0,03</b>

**Table 4 - Long-term water absorption by partial immersion - tested surface without skin - method 1A (kg/m<sup>2</sup>)**

Test specimen identification	Date of production	Batch No.	Length (mm)	Width (mm)	Mass (g)		Long-term water absorption by partial immersion	
					Initial	After 28 days, partial immersion	Individual values (kg/m <sup>2</sup> )	Mean value (kg/m <sup>2</sup> )
14415-3/DN3	09/04/2014	409D	201,0	197,4	167,0	177,3	0,26	<b>0,25</b>
14415-3/DN4			198,4	198,8	143,0	153,1	0,26	
14415-6/DN3	29/04/2014	429D	198,3	199,3	151,9	161,9	0,25	
14415-6/DN4			199,4	199,2	151,6	160,7	0,23	
Expanded uncertainty(kg/m <sup>2</sup> ):								<b>±0,02</b>

**Date:** 27<sup>th</sup> November 2014

**Elaborated by:** Ľubomír Rongyoš

**Confirmed by:**   
Ing. Stanislav Horský  
Head of Branch Nitra



**Notes:**

- If the testing laboratory representative does not carry out the product sampling, information about the manufacturer, factory and sampling are listed according to information provided by the client.
- Tests were performed according to the testing laboratory work procedure no. PP-041 in compliance with test methods mentioned above.
- The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k = 2 which for a normal distribution provides a level of confidence of approximately 95 %.
- Determined results refer to the product sample.
- The test report without the written permission of the test laboratory shall be reproduced only in its entirety.

————— **End of the test report** —————