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TESTING PROTOCOL No. 012/2019 SFL

DETERMINATION OF DURABILITY OF "Glory" thermal insulation façade cladding panel

(In accordance with ETAG 016 part 3 Annex No C5)

4 March 2019

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1. Basic data

1.1 Description of laboratory samples

Product/System Name: Manufacturer:	"Glory" thermal insulation façade cladding panel, 1000 x 500 x 308 mm UAB "Koderus", Žirgų Str. 19, Antežerių vill., LT-14158, Vilnius district, Lithuania
Component: Manufacturer: Component: Manufacturer: Component: Manufacturer: Component: Manufacturer: Component: Manufacturer:	Polystyrene foam board "Šilputa EPS 80 NEO". Declaration of Performance No. 80-NEO-2016-01-04 UAB "Šilputa", LT-13270 Vilnius District Municipality, Skaidiškės, Sodų Str. 14, Lithuania "BOSTIK" polyurethane sealant 2637 Bostik AB, Strandbadsvagen 22, Box 903, 251 09 Helsingborg, Sweden Perforated tape KVA Joseph Dresselhaus Befestigunstechnik GmbH/Co. KG Zeppelinstrasse 13, 32051 Herford, Germany Cement-based cladding panel UAB "Koderus", Žirgų Str. 19, Antežerių vill., LT-14158, Vilnius district, Lithuania Hydrophobic agent Remmers Baustofftechnik GmbH, Postfach 1255,D-49624 Loningen
Client:	UAB "Koderus", Žirgų Str. 19, Antežerių vill., LT-14158, Vilnius district, Lithuania

Information on materials, their manufacturers and markings are provided by the client.

1.2. Test method

The tests are carried out in accordance with ETAG 016 (2005) Part 3, Annex No C5.

2. Sample data

The samples were delivered to the laboratory by the client on 23/01/2019. An overall view of the panel is shown in Figure l.

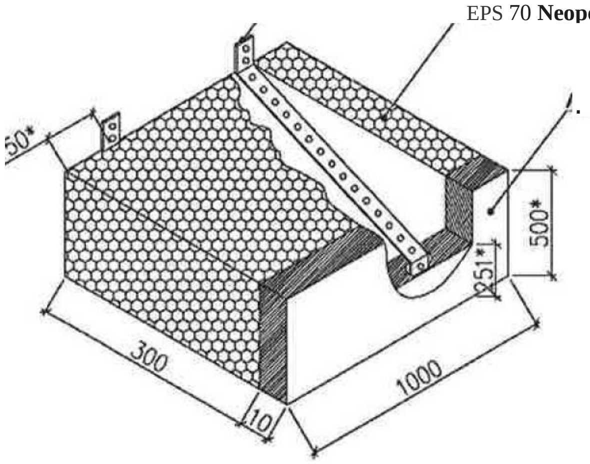

Fig. 1 General view of the “Glory” thermal insulation facade cladding panel

3. Tests

3.1. Durability ETAG 016111 Part S.7.1.1.2, Annex No CS

The thermal insulation façade cladding panel “GLORY” is subjected to 5 thermal cycles: 3 h heating to 55 °C, increasing the temperature by 10 °C every 5 min; moisturising (l 0-15 °C); 2 h break. The results of the durability test are shown in Table 1.

Table 1.

Durability test results

Number of thermal shock cycles	Measured heights at points on the measuring ruler, mm:					
	l	2	3	4	5	6
0	27.22	27.79	28.30	28.73	29.05	29.57
5	27.29	27.76	28.40	28.73	29.03	29.64
Change Δ after 5 cycles	0.07	-0.03	0.10	0.00	-0.02	0.07
Comment	No cracks, chips, peeling of the coating observed					

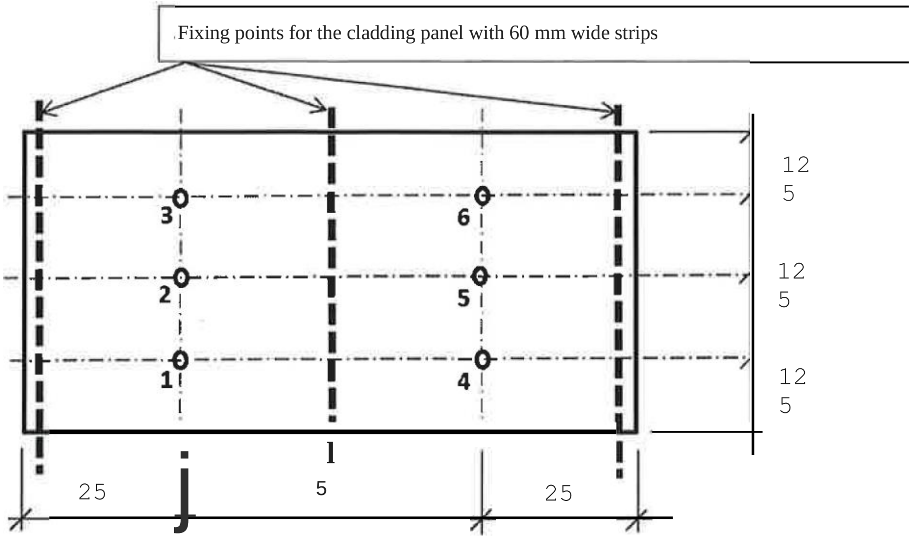

Fig. 2. Location of measurement points on the panel

Head of the laboratory: K. Banionis /signature/
(approves test results) (Name and surname)

Test executor: A. Burlingis /signature/
(technically responsible for the test) (Name and Surname)

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