

IKATES, s.r.o. – Laboratory for glass and building products testing



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*Testing laboratory No.1139 accredited by Czech Institute of Accreditation
acc to. ČSN EN ISO/IEC 17025 for glass and selected building products testing*

TEST REPORT

No. : 122 / 2019

Test item :

Thermally toughened laminated glass Glazeri BT

initial type tests acc. to ČSN EN 14449:

- humidity test according to ČSN EN ISO 12543-4
- high temperature tests according to ČSN EN ISO 12543-4

Client (address):

SIA GLAZERI BT

Jelgavas street 74, Riga, LV-1004, Latvia

Producer (address):

SIA GLAZERI BT, Jelgavas street 74, Riga, LV-1004, Latvia
plant Matisa street 92, Riga, LV-1009, Latvia

Place of test performance:

IKATES, s.r.o., Teplice

Date of sample receiving:

2019-05-20

Date of testing:

2019-05-21 to 2019-06-14

Date of issue:

2019-06-21

Number of pages:

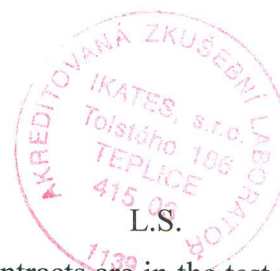
3

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1

Manager of testing laboratory:

Jiří Stránský



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Normative foundations :

ČSN EN ISO 12543 (2012): Glass in building – Laminated glass and laminated safety glass

ČSN EN 14449 (2006): Glass in building – Laminated glass and laminated safety glass –
Evaluation of conformity/Product standard

Sampling :

Following test specimens of thermally toughened laminated glass with dimensions 100 mm x 300 mm were supplied to testing:

a) samples with ceramic printing (R_7016) on internal surface:

3 pcs. 44.2 (toughened 4 CF/ 0,76 EVA/ toughened 4 CF enamelled);

3 pcs. 55.2 (toughened 5 CF/ 0,76 EVA/ toughened 5 CF enamelled);

3 pcs. 66.2 (toughened 6 CF/ 0,76 EVA/ toughened 6 CF enamelled);

3 pcs. 88.2 (toughened 8 CF/ 0,76 EVA/ toughened 8 CF enamelled);

3 pcs. 1010.2 (toughened 10 CF/ 0,76 EVA/ toughened 10 CF enamelled);

3 pcs. 1010.4 (toughened 10 CF/ 1,52 EVA/ toughened 10 CF enamelled);

3 pcs. 1212.4 (toughened 12 CF/ 1,52 EVA/ toughened 12 CF enamelled);

b) samples with digital printing (4 basic colors) on internal surface:

3 pcs. 44.2 (toughened 4 CF/ 0,76 EVA/ toughened 4 CF digitally printed);

3 pcs. 55.2 (toughened 5 CF/ 0,76 EVA/ toughened 5 CF digitally printed);

3 pcs. 66.2 (toughened 6 CF/ 0,76 EVA/ toughened 6 CF digitally printed);

3 pcs. 88.2 (toughened 8 CF/ 0,76 EVA/ toughened 8 CF digitally printed);

3 pcs. 1010.2 (toughened 10 CF/ 0,76 EVA/ toughened 10 CF digitally printed);

3 pcs. 1010.4 (toughened 10 CF/ 1,52 EVA/ toughened 10 CF digitally printed);

3 pcs. 1212.4 (toughened 12 CF/ 1,52 EVA/ toughened 12 CF digitally printed);

Note: Original edges without protection. Interlayer: Evasafe

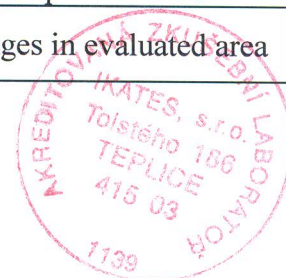
Metrological provision of tests :

The high temperature and high humidity tests were carried out in the climate chamber CTS with metrological traceability.

Test results :

1. High temperature test (ČSN EN ISO 12543-4, art.5.3.2 – procedure A)

structures	state after the test	
	samples with enamel 3 pcs. per structure	samples with digital printing 3 pcs. per structure
44.2; 55.2; 66.2; 88.2; 1010.2; 1010.4; 1212.4	no changes in evaluated area	no changes in evaluated area



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2. Humidity test (ČSN EN ISO 12543-4, art.6.3.1 – with condensation)

structures	state after the test	
	samples with enamel 3 pcs. per structure	samples with digital printing 3 pcs. per structure
44.2; 55.2; 66.2; 88.2; 1010.2; 1010.4; 1212.4	no changes in evaluated area	no changes in evaluated area

Note: The test was carried out with same samples as high temperature test.

Statement : Test results, given in this report, apply only to the tested items and do not replace other documents, e.g. administrative character, issued by other bodies, according to particular regulations. The official version is in the Czech language.

Distribution list :

2 x SIA GLAZERI BT

1 x Laboratory for glass and building products testing IKATES, s.r.o. (archive)

Tests were carried out by :

Report was performed by :

For correctness and validity of report is responsible :

end of the test report

Jiří Stránský

