



IKATES, s.r.o.

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Notified Body No.1394

Authorized body No. 225

INITIAL TYPE TEST REPORT

from determination of light and solar characteristics

according to the Regulation (EU) No 305/2011 of the European Parliament and of the Council No.305/2011 of 9 March 2011 (Construction Products Regulation – CPR (AVCP system 3))

No. : 1394-CPR-7D/2017

Test item : **Thermally toughened laminated glass Glazeri BT**

Producer (address): **SIA GLAZERI BT**
Jelgavas street 74, Riga, LV-1004, Latvia

Number of pages : 2 incl. front page
Annexes: 1 (test report No.7D/2017)

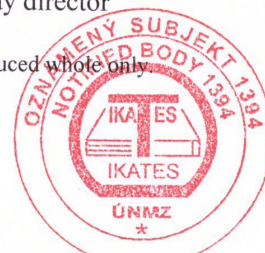
This test report is part document of notified body and cannot replace the summary report from initial type tests.

Date of issue : 2017-02-14

Person responsible for content of this report : **Jiří Stránský**
testing lab manager

Person responsible for correctness of this report : **Lubomír Hnilička**
notified body director

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1. Test item specification

Product description and intended use: laminated glass for use in building

Producer: SIA GLAZERI BT, Jelgavas street 74, Riga, LV-1004, Latvia

plant: Matisa street 92, Riga, LV-1009, Latvia

Specification: ČSN EN 12600 (harmonised standard ČSN EN 14449)

2. Sampling

Following test specimens of thermally toughened laminated glass with dimensions 100x100 mm were used to testing:

1 pc. 44.2 (toughened glass 4 mm + 0,76 mm EVA + toughened glass 4 mm)

1 pc. 55.2 (toughened glass 5 mm + 0,76 mm EVA + toughened glass 5 mm)

1 pc. 66.2 (toughened glass 6 mm + 0,76 mm EVA + toughened glass 6 mm)

1 pc. 88.2 (toughened glass 8 mm + 0,76 mm EVA + toughened glass 8 mm)

1 pc. 1010.2 (toughened glass 10 mm + 0,76 mm EVA + toughened glass 10 mm)

1 pc. 1010.4 (toughened glass 10 mm + 1,52 mm EVA + toughened glass 10 mm)

1 pc. 1212.4 (toughened glass 12 mm + 1,52 mm EVA + toughened glass 12 mm)

3. ITT performance

Test was performed by: Jiří Stránský

Date of test end: 2017-01-31

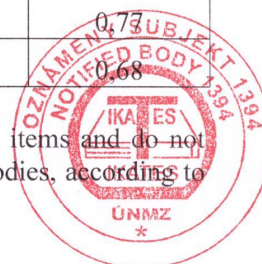
4. Test results :

Observed characteristic:

Light and solar characteristics acc. to ČSN EN 410

Structure	Light transmittance $\tau_V(1)$	Light reflectance $\rho_V(1)$	direct solar energy transmittance $\tau_e(1)$	direct solar reflectance $\rho_e(1)$	total solar energy transmittance $g(1)$
44.2	0,88	0,08	0,74	0,07	0,78
55.2	0,87	0,09	0,72	0,08	0,77
66.2	0,88	0,08	0,73	0,07	0,78
88.2	0,84	0,09	0,66	0,07	0,72
1010.2	0,86	0,08	0,72	0,07	0,77
1010.4	0,86	0,08	0,72	0,07	0,77
1212.4	0,83	0,07	0,60	0,06	0,68

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.



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



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

TEST REPORT

No. : 7D / 2017

Test item : **Thermally toughened laminated glass Glazeri BT**
- determination of light and solar characteristics acc. to ČSN EN 410

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 : 2017-01-17

Date of test performance : 2017-01-30 to 2017-01-31

Date of issue : 2017-02-14

Number of pages : 4

Page No. : 1

Manager of testing laboratory : Jirí Stránský



Results and/or informations out of accreditation range and subcontracts are in the test report identified. Copying and translating, using of report for other purposes (advertisement, extracts from the report) only with consent of the laboratory. Without consent of the laboratory can be the report reproduced whole only.

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Normative foundations :

ČSN EN 410 (2011): Glass in building – Determination of luminous and solar characteristics of glazing

Sampling :

Following test specimens of thermally toughened laminated glass with dimensions 100x100 mm were used to testing:

1 pc. 44.2 (toughened glass 4 mm + 0,76 mm EVA + toughened glass 4 mm)

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1 pc. 1212.4 (toughened glass 12 mm + 1,52 mm EVA + toughened glass 12 mm)

Note: Interlayer: Eva film, PUJOL

Metrological provision of tests :

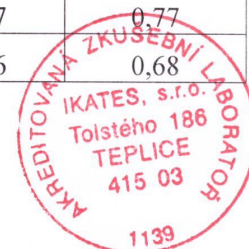
Test rig for pendulum test and impact bodies complies with requirements of the ČSN EN 12600 (last calibration of test rig: 2016-08-27).

Test results :

Light and solar characteristics (ČSN EN 410)

Structure	Light transmittance $\tau_V(1)$	Light reflectance $\rho_V(1)$	direct solar energy transmittance $\tau_e(1)$	direct solar reflectance $\rho_e(1)$	total solar energy transmittance g(1)
44.2	0,88	0,08	0,74	0,07	0,78
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1212.4	0,83	0,07	0,60	0,06	0,68

Note: Measurement geometry: transmission 0/0; reflexion 8/d



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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 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 prepared by :

For correctness and validity of report is responsible :

end of the test report



Jiří Stránský