IKATES, s.r.o.

Tolstého 186, 415 03 Teplice, Czech Republic

tel.: +420 417 503 093, tel./fax: +420 417 502 825

e-mail: ikates@ikates.cz, www.ikates.cz

Notified Body No.1394

Authorized body No. 225

INITIAL TYPE TEST REPORT

from determination of pendulum impact resistance

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-7C/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.7C/2017)

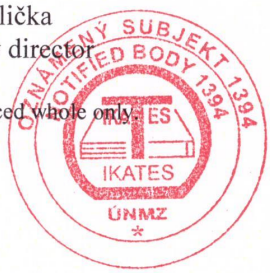
This test report is part document of notified body and cannot replace the summary report from initial type tests.

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

Notice: Without written consent of the notified body director this report can be reproduced whole only.



1. Test item specification

Product description and inteded 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 876x1938 mm were used to testing:

8 pcs. 44.2 (toughened glass 4 mm + 0,76 mm EVA + toughened glass 4 mm)

8 pcs. 55.2 (toughened glass 5 mm + 0,76 mm EVA + toughened glass 5 mm)

8 pcs. 66.2 (toughened glass 6 mm + 0,76 mm EVA + toughened glass 6 mm)

4 pcs. 88.2 (toughened glass 8 mm + 0,76 mm EVA + toughened glass 8 mm)

4 pcs. 1010.2 (toughened glass 10 mm + 0,76 mm EVA + toughened glass 10 mm)

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

4 pcs. 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: 2017-01-27

4. Test results :

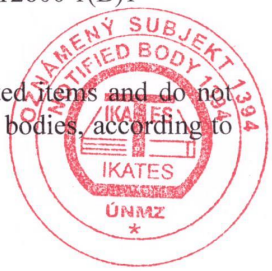
Observed characteristic:

Pendulum impact test acc. to ČSN EN 12600

Classification:

44.2 (2 x toughened glass 4 mm + 0,76 mm EVA)	EN 12600 1(B)1
55.2 (2 x toughened glass 5 mm + 0,76 mm EVA)	EN 12600 1(B)1
66.2 (2 x toughened glass 6 mm + 0,76 mm EVA)	EN 12600 1(B)1
88.2 (2 x toughened glass 8 mm + 0,76 mm EVA)	EN 12600 1(B)1
1010.2 (2 x toughened glass 10 mm + 0,76 mm EVA)	EN 12600 1(B)1
1010.4 (2 x toughened glass 10 mm + 1,52 mm EVA)	EN 12600 1(B)1
1212.4 (2 x toughened glass 12 mm + 1,52 mm EVA)	EN 12600 1(B)1

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

Tolstého 186, 415 03 Teplice, Czech Republic
tel.: +420 417 503 093, tel./fax: +420 417 502 825
e-mail: ikates@ikates.cz, www.ikates.cz

L 1139

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. : 7C / 2017

Test item :	**Thermally toughened laminated glass Glazeri BT** - pendulum impact test acc. to ČSN EN 12600
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 :	2017-01-25 to 2017-01-27
Date of issue :	2017-02-14
Number of pages :	4
Page No. :	1

Manager of testing laboratory : Jiří Stránský

AKREDITOVANÁ ZKUŠEBNÍ LABORATOŘ IKATES, s.r.o. Tolstého 186 TEPLICE 415 03 L.S. 1139

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.

Normative foundations :

ČSN EN 12600 (2003): Glass in building – Pendulum test - Impact test method and classification for flat glass

Sampling :

Following test specimens of thermally toughened laminated glass with dimensions 876x1938 mm were used to testing:

8 pcs. 44.2 (toughened glass 4 mm + 0,76 mm EVA + toughened glass 4 mm)

8 pcs. 55.2 (toughened glass 5 mm + 0,76 mm EVA + toughened glass 5 mm)

8 pcs. 66.2 (toughened glass 6 mm + 0,76 mm EVA + toughened glass 6 mm)

4 pcs. 88.2 (toughened glass 8 mm + 0,76 mm EVA + toughened glass 8 mm)

4 pcs. 1010.2 (toughened glass 10 mm + 0,76 mm EVA + toughened glass 10 mm)

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

4 pcs. 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 :

Pendulum impact test (according to ČSN EN 12600)

44.2 (2 x toughened glass 4 mm + 0,76 mm EVA)			
State after impact from height of			
No.	190 mm	450 mm	1200 mm
1	no breakage	no breakage	no breakage
2	no breakage	no breakage	no breakage
3	no breakage	no breakage	no breakage
4	no breakage	no breakage	no breakage
Classification: EN 12600 1(B)1			

55.2 (2 x toughened glass 5 mm + 0,76 mm EVA)			
State after impact from height of			
No.	190 mm	450 mm	1200 mm
1	no breakage	no breakage	no breakage
2	no breakage	no breakage	no breakage
3	no breakage	no breakage	no breakage
4	no breakage	no breakage	safe breakage
Classification: EN 12600 1(B)1			

AKREDITOVANÉ ZKUŠEBNÍ LABORATOŘ
STATES, s.r.o.
Tolstého 186
TEPLICE
415 03

66.2 (2 x toughened glass 6 mm + 0,76 mm EVA)			
State after impact from height of			
No.	190 mm	450 mm	1200 mm
1	no breakage	no breakage	no breakage
2	no breakage	no breakage	no breakage
3	no breakage	no breakage	no breakage
4	no breakage	no breakage	no breakage
Classification: EN 12600 1(B)1			

88.2 (2 x toughened glass 8 mm + 0,76 mm EVA)			
State after impact from height of			
No.	190 mm	450 mm	1200 mm
1	no breakage	no breakage	no breakage
2	no breakage	no breakage	no breakage
3	no breakage	no breakage	no breakage
4	no breakage	no breakage	no breakage
Classification: EN 12600 1(B)1			

1010.2 (2 x toughened glass 10 mm + 0,76 mm EVA)			
State after impact from height of			
No.	190 mm	450 mm	1200 mm
1	no breakage	no breakage	no breakage
2	no breakage	no breakage	no breakage
3	no breakage	no breakage	no breakage
4	no breakage	no breakage	no breakage
Classification: EN 12600 1(B)1			

1010.4 (2 x toughened glass 10 mm + 1,52 mm EVA)			
State after impact from height of			
No.	190 mm	450 mm	1200 mm
1	no breakage	no breakage	no breakage
2	no breakage	no breakage	no breakage
3	no breakage	no breakage	no breakage
4	no breakage	no breakage	no breakage
Classification: EN 12600 1(B)1			

AKREDITOVANÁ ZKUŠEBNÍ LABORATOŘ
IKATES, s.r.o.
Tolstého 186
TEPLICE
415 03
1139

No. : 7C / 2017	Number of pages : 4 Page No. : 4

1212.4 (2 x toughened glass 12 mm + 1,52 mm EVA)			
	State after impact from height of		
No.	190 mm	450 mm	1200 mm
1	no breakage	no breakage	no breakage
2	no breakage	no breakage	no breakage
3	no breakage	no breakage	no breakage
4	no breakage	no breakage	no breakage
Classification: EN 12600 1(B)1			

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 : **Michal Hnilička, Jiří Šnajdr**

Report was prepared by :
For correctness and validity of report is responsible : **Jiří Stránský**

AKREDITOVANÁ ZKUŠEBNÍ LABORATOŘ IKATES, s.r.o. Tolstého 186 TEPLICE 415 03 1139

end of the test report