

TEST REPORT No. 342482

Place and date of issue: Bellaria-Igea Marina - Italy, 30/05/2017

Customer: VETRERIA BAZZANESE S.r.l. - Via Giulio Pastore, 4 - Località Crespellano - 40053 VALSA-MOGGIA (BO) - Italia

Date test requested: 17/05/2017

Order number and date: 73269, 18/05/2017

Date sample received: 26/05/2017

Date of testing: 29/05/2017

Purpose of testing: impact test of laminated glazings in accordance with standard CAN/CGSB-12.1-2017

Place of testing: Istituto Giordano S.p.A. - Via Erbosa, 72 - 47043 Gatteo (FC) - Italy

Origin of sample: prepared and supplied by the Customer

Identification of sample received: No. 2017/1223

Name of sample*

The sample under test is named "VB IRONGLASS 1010".

(*) according to that stated by the Customer.

Comp. PB
Revis. AB

This test report consists of 4 sheets.

Sheet
1 of 4

Description of sample*

The sample under test consists of No. 4 laminated glazings, nominal size 863 mm × 1930 mm and nominal thickness 21,52 mm.

Each laminated glass is formed by:

- fully tempered low iron glass, nominal thickness 10 mm;
- film in PVB, nominal thickness 1,52 mm;
- fully tempered low iron glass, nominal thickness 10 mm.

Normative references

The test was carried out in accordance with the requirements of the following standards:

- CAN/CGSB-12.1-2017 dated February 2017 “National Standard of Canada - Safety glazing”;
- ANSI Z97.1-2015 dated March 2015 “American National Standard for safety glazing materials used in buildings - safety performance specifications and methods of test”.

Test apparatus

The test was performed using an apparatus complying with clause 10.1.1 “Apparatus” of standard CAN/CGSB-12.1-2017.

Test method

The test was then carried out in accordance with the requirements of clause 10.1 “Impact test” of standard CAN/CGSB-12.1-2017.

Environmental conditions during test

| | |
|-----------------------------|-----------------|
| Atmospheric pressure | (1010 ± 5) mbar |
| Ambient temperature | (20 ± 4) °C |
| Relative humidity | (50 ± 10) % |

Test results

| Laminated glass [No.] | Thickness [mm] | Drop height [mm] | Result* | |
|--------------------------|-------------------|---------------------|----------|----------------|
| | | | | |
| 1 | 21,02 | 457 ÷ 470 | no break | Class B |
| | | 1219 ÷ 1232 | no break | Class A |
| 2 | 21,04 | 457 ÷ 470 | no break | Class B |
| | | 1219 ÷ 1232 | no break | Class A |
| 3 | 21,00 | 457 ÷ 470 | no break | Class B |
| | | 1219 ÷ 1232 | no break | Class A |
| 4 | 21,01 | 457 ÷ 470 | no break | Class B |
| | | 1219 ÷ 1232 | no break | Class A |

(*) Possible results after impact according to clause 10.1.2 "Impact classification" of standard CAN/CGSB-12.1-2017:

- Class A - Glazing material that complies with the requirements of 10.1.4 when tested in accordance with the procedure in 10.1.3 at a drop height between 1219 mm and 1232 mm (48 in. and 48½ in.) using an impact specimen appropriate to the size classification;
- Class B - Glazing material that complies with the requirements of 10.1.4 when tested in accordance with the procedure in 10.1.3 at a drop height of between 457 mm and 470 mm (18 in. and 18½ in.) using an impact specimen appropriate to the size classification.

Findings

On the basis of the test performed, the results obtained and the provisions of CAN/CGSB-12.1-2017, the test sample, comprising laminated glazings called "VB IRONGLASS 1010" submitted by the company VETRERIA BAZZANESE S.r.l. - Via Giulio Pastore, 4 - Località Crespellano - 40053 VALSAMOGGIA (BO) - Italia, meets the requirements specified therein.

In accordance with standard CAN/CGSB-12.1-2017, in particular the provisions of clause 7.1 "Marking information", the sample can be marked as follows:

| Laminated glazings | | |
|-----------------------------|---------------------------|--|
| Vetreteria Bazzanese S.r.l. | CAN/CGSB-12.1-2017 UA INT | Via Giulio Pastore, 4 Località Crespellano 40053 Valsamoggia (BO) - Italia |

The results given refer exclusively to the test sample itself and are only valid under the same conditions in which testing was carried out.

This test report alone shall not be considered a certificate of conformity.

Test Technician
(Dott. Andrea Bruschi)

Andrea Bruschi

Head
of Security and Safety Laboratory
(Dott. Andrea Bruschi)

Andrea Bruschi

Chief Executive Officer

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