

## 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  
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### **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

<b>Atmospheric pressure</b>	(1010 ± 5) mbar
<b>Ambient temperature</b>	(20 ± 4) °C
<b>Relative humidity</b>	(50 ± 10) %

### Test results

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

(\*) 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:

<b>Laminated glazings</b>		
Vetreria 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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