

**IAN BENNIE AND ASSOCIATES**

**TEST REPORT NO. 2014-045-S5.1 to 5.8**

**HANITA '6 MIL COLD STEEL 35' FILM ON 4  
MM FLOAT GLASS  
IMPACT TEST to AS/NZS 2208 - 1996**

**for**

**Hanita Pacific**

**December 2014**



Accredited Laboratory No. 2371  
Accredited for compliance with ISO/IEC 17025.



**IAN BENNIE & ASSOCIATES PTY. LTD.**  
**Building Performance Testing**

ACN : 007 133 253



**TEST REPORT NUMBER 2014-045-S5.1 to 5.8**

**Test Client:** Hanita Pacific

**Sample I.D:** Material: Hanita '6 mil Cold Steel 35' film on 4 mm float glass (film applied by Hanita)  
Size: 1900 mm x 860 mm (default size)  
Number of identical samples supplied: 8

**Test Method:** In accordance with Appendix D Impact Test of AS/NZS2208-1996, Safety Glazing Materials in Buildings, amended 1999, the eight samples were tested for compliance with the requirements for Grade A Safety Glazing Materials. As the sample was asymmetrical, four samples were impacted on the film side (Samples 5.1 to 5.4) and four on the glass side (Samples 5.5 to 5.8).

**Conditioning:** All samples were stored in a temperature control test room for more than 24 hours with an ambient temperature of  $22 \pm 3^{\circ}$  C prior to testing. All tests were conducted in the same room with the temperature maintained.

**Result:** Observations are given in Table 1.

**Conclusion:** The Hanita '6 mil Cold Steel 35' film on 4 mm float glass passed the impact test requirements for Grade A Safety Glazing Materials.

**Test Location:** Ian Bennie & Associates Test Centre

**Test Date(s):** 2 December 2014

**Test Officer:** Ian Bennie

**Table 1. Test Observations**

Sample	Drop height when breakage occurred (mm)	Observations	Result
S5.1 FS	300	Numerous cracks were created in the glass but no openings occurred. The largest piece released from the sample was approximately 60 mm <sup>2</sup> in area.	Pass
S5.2 FS	300	Numerous cracks were created in the glass but no openings occurred. The largest piece released from the sample was approximately 180 mm <sup>2</sup> in area.	Pass
S5.3 FS	300	Numerous cracks were created in the glass but no openings occurred. The largest piece released from the sample was approximately 100 mm <sup>2</sup> in area.	Pass
S5.4 FS	300	Numerous cracks were created in the glass but no openings occurred. No significant pieces released from the sample with only fine splinters of glass falling off.	Pass
S5.5 GS	300	Numerous cracks were created in the glass but no openings occurred. No significant pieces released from the sample with only fine splinters of glass falling off.	Pass
S5.6 GS	300	Numerous cracks were created in the glass but no openings occurred. No significant pieces released from the sample with only fine splinters of glass falling off.	Pass
S5.7 GS	300	Numerous cracks were created in the glass but no openings occurred. The largest piece released from the sample was approximately 180 mm <sup>2</sup> in area.	Pass
S5.8 GS	300	Numerous cracks were created in the glass but no openings occurred. The largest piece released from the sample was approximately 300 mm <sup>2</sup> in area.	Pass

FS = film side impact

GS = glass side impact

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*Ian Bennie*

Ian Bennie, 15 December 2014  
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