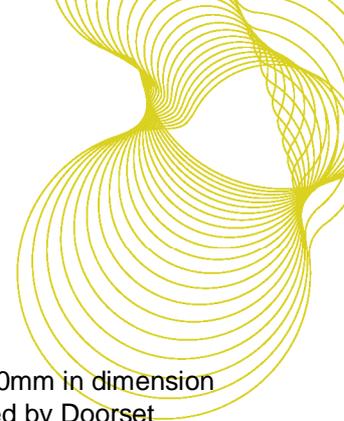


Certificate of Test



Customer: Vistamatic Ltd and Doorset Technology Ltd
Product: Vistamatic Vision Panel

Background: The specimen tested was a Vistamatic vision panel which was 800mm x 250mm in dimension with a 19mm Pyro-Ex glass on both faces. The beading system was provided by Doorset Technology Ltd. The vision panel was installed in a rigid test frame prior to testing and this can be seen in figure 1 below.

Tests: A series of destruction tests were carried out to simulate impacts of different forces on the vision panel. The sequences of tests carried are given below;

1. A Small 1.5 Kg paving mallet to the glazing and the surrounding frame and beading to simulate someone thumping the glass or head butting the glass. There were a total of twenty impacts in this test.
2. Stick attack to the glazing and beading to simulate impact from a chair leg. There were a total of ten impacts in this test.
3. A Large 7.3Kg paving mallet to the glazing and the surrounding frame and beading to simulate a shoulder barge. There were a total of twenty impacts in this test.

Each impact scenario began with three impacts to the centre of the glazing with the other impacts spread across the glazing and beading.



Figure 1 View of Vision panel from impact face prior to testing



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Results: **Glazing:** There was no visible damage to the glazing at the end of the test.

Beading: The beading remained intact after testing. A small layer of the beading at the mid-point was chipped off during the stick attack.

Figure 2 below shows the vision panel at the end of the test.



Figure 2 Vision panel at the end of the test

Date of test: 15th May 2013

Certificate No: 287-324

Signed: 

Date: 22nd May 2013

Dr Paul Blackmore, Associate Director, Building Technology Group

For and on behalf of Building Research Establishment Ltd, Garston, Watford, WD25 9XX

BRE does not endorse this product nor warrant its performance in use and accepts no liability for any loss or damage arising from its use



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