

GA Balustrade Infil Panels: *Independent Test Results*

Test Methods

Soft body impact tests were carried out on the Balustrade Infil Panels (with and without frames). Two 6mm holes were located at 740mm centres on each vertical edge centred 12.5mm in from the outside edge. The support brackets were 50mm wide mild steel (5mm thick) with a 6mm diameter hole 12.5mm from the end. The panels were supported on the brackets by means of M6 bolts.

The tests carried out in accordance with BS8200:1985 Code of Practice for Design of non-loadbearing external vertical enclosures of buildings.

All panels withstood the soft body impact energy of 500Nm as shown in Table 4 of BS8200:1985 for categories B and C as defined in Table 2 of the same document.

Results are given in Table 3.

Test Report No. 08772 issued by CERAM Research Limited

Table 3: Soft Body Impact

Sample Type	Sample No	Result
1.5m Framed Panel Anodising Quality	1	No failure at 500Nm
	2	No failure at 500Nm
	3	No failure at 500Nm
1.5m Framed Panel Mill Finish	1	No failure at 500Nm
	2	No failure at 500Nm
	3	No failure at 500Nm
1.5m Unframed Panel Anodising Quality	1	No failure at 500Nm
	2	No failure at 500Nm
	3	No failure at 500Nm
1.5m Unframed Panel Mill Finish	1	No failure at 500Nm
	2	No failure at 500Nm
	3	No failure at 500Nm

Items supplied for testing:

Perforated panels (GA PS1664) with applied squeeze frame profile (GA SF252) to plain imperforate borders

3 no. 1.0m high x 1.5m wide x 2mm thick spec. 1050A

3 no. 1.0m high x 1.5m wide x 2mm thick spec. J57S H14 (5005 H14)

(The above panels supplied with 2 x 6mm dia holes centred 12.5mm in from o/s edge on both vertical 1.0m sides).

Perforated panels (GA PS1665) with plain imperforate borders

3 no. 1.0m high x 1.5m wide x 3mm thick spec.1050A

3 no. 1.0m high x 1.5m wide x 3mm thick spec J57S H14 (5005 H14)

(The above panels supplied with 2 x 6mm dia holes centred 12.5mm in from o/s edge on both vertical 1.0m sides).