Test Results – Soft Body Impact
Balustrade Infill (Perforated) Panels

Test Methods:

Soft body impact tests were carried out on the Balustrade Infill Panels (with & without frames). Two 6mm dia. 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 & 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 (now known as Lucideon).

Table 3: Soft Body Impact:

Sample Type	Sample No	Result
1.5m Framed Panel Spec. 5005 H14	1	No failure at 500Nm
	2	No failure at 500Nm
	3	No failure at 500Nm
1.5m Framed Panel Spec. 1050A	1	No failure at 500Nm
	2	No failure at 500Nm
	3	No failure at 500Nm
1.5m Unframed Panel Spec. 5005 H14	1	No failure at 500Nm
	2	No failure at 500Nm
	3	No failure at 500Nm
1.5m Unframed Panel Spec. 1050A	1	No failure at 500Nm
	2	No failure at 500Nm
	3	No failure at 500Nm

Note:

GA's balustrade infill panels comply with 500Nm referred to in BS8200:1985 (for containment of people), when dimensions / material specification / size & distance of fixing holes from the outside edge, do not exceed the quoted test parameters, and follow the Company's installation guidelines.

GA Helpline for professional assistance 020 8692 2255 Mon-Fri 8.30am -5pm
www.goodingalum.com : email: sales @ goodingalum.com