Load Capacity Data
Wall Cladding Panels Type WC3 (with GA WP1 Panel Fixing System)

Introduction:

GA WP1 Panel-Fixing System consists of two J-section strips of aluminium alloy, one of which, inverted, is screwed to the rear of the panel and the other to the supporting structure. The inverted section fixed to the rear of the panel then slots into the section to support the panel.

Test Methods:

Load capacity tests were carried out on the GA WP1 Wall Panel Fixing system to determine the ultimate load capacity of the systems.

The test was carried out by fixing one length of section to a length of angle securely fixed to the laboratory floor. The other section was fixed to a second length of angle bolted to a length of studding passing through a hollow hydraulic ram and load cell supported by a portal frame. The output from the load cell was recorded by means of a datalogger.

Load was increased steadily until failure occurred.

The maximum loads achieved are given in Table 16.

Items supplied for testing:

- GA WP1 600mm long (6 samples)

Table 16: Load Capacity of GA WP1 Panel-Fix Wall Panel Fixing System

Sample Type	Sample Number	Failure Load (kN)
WP1	1	14.81
	2	16.95
	3	17.40
	Mean	16.39

Test Report no. BT07725TGE issued by CERAM Research Limited (now known as Lucideon).

Note:

These load results clearly demonstrate the strength of the GA Panel Fix system. The type of fixings used (screws/bolts) and load bearing qualities of the substrate will also affect & determine load performance.