



23 February, 1993

Mr Charles Wright
Fibrous Plaster's Association
PO Box 427
Kumeu

Dear Mr Wright,

Results of 8 mm and 12.5 mm Plasterglass P21 Racking Tests

I attach the calculation sheet and results of the racking tests conducted for you on the 22nd and 23rd of February. Full reports and invoice will follow.

The three 8 mm Plasterglass walls tested comprised 8 mm Plasterglass fixed with 30 x 2.5 mm nominal diameter galvanised clouts at 200 mm centres around the outside framing members and no nails on internal studs. Bostick Solvent Based Stud And Wallboard adhesive was applied in a continuous bead around the outside framing members and in daubs at 300 mm centres down the internal studs. The walls were fixed to representative joists and flooring system. No straps were used on the end studs.

The three 12.5 mm Plasterglass walls were constructed in the same way except that the nails were 40 x 2.5 mm nominal diameter clouts.

Your ratings for the purposes of use with NZS 3604:1990 are:

8 mm Plasterglass 1.8 m long and over.

Earthquake: 79 Bracing Units per metre

Wind: 87 Bracing Units per metre

12.5 mm Plasterglass 1.8 m long and over.

Earthquake: 87 Bracing Units per metre

Wind: 104 Bracing Units per metre

These ratings apply to walls 1.8 m long or greater. The tests were conducted on 1.8 m long walls and may not be extrapolated below this level.

Yours sincerely,

Mike Collins
Group Leader
Wood Strength & Structures