

results impact test

14/09/00

**GOLDCHILL PTY LTD**

**RESULTS OF IMPACT TESTS**

**Requirement**

This test is required by Main Roads Dept Qld to measure impact results on roadside noise barriers.

**Method**

A 4kg steel ball was dropped onto a panel supported horizontally above the ground from a height of 3m.

**Specification**

MRS11.15-5.3.1 states : "The impact shall cause only superficial scratches and marks on the panel. The depth of deformation considered to be acceptable is 4mm within a circle of 20mm diameter.

**Results**

	18/08/00	12/09/00
Density	66.43kg/m <sup>3</sup>	59.00kg/m <sup>3</sup>
Steel	0.42mm	0.48mm

**Indent**

Deep	9.50mm	7.50mm
Length	90.00mm	70.00mm
Width	40.00mm	32.00mm

**Conclusion**

Although the density was lower in the latest test, the steel thickness was higher and still showed approx 27% improvement. The Main Road Specification covers all smooth faced surfaces, however our product being a 'ribbed' surface, may allow a relentment to the impact specification. Notwithstanding, a further test on a higher density panel with 0.48mm steel, should be conducted.

W. BENNETT

