

Fire Testing

FIRE TESTING OF COATED STEEL PRODUCTS





Fire testing of coated steel products

New Zealand Steel's coated products have been tested in accordance with ISO 5660 by BRANZ, Porirua, Wellington.

The tests were performed in accordance with International Standard ISO 5660-1:2002: Reaction to fire tests – Heat Release, smoke production and mass loss rate – Part 1: Heat release rate (cone calorimeter method) and Part 2: Smoke production rate (dynamic measurement).

All test samples were exposed in the horizontal orientation with standard pilot operating.

The group number was determined in accordance with Verification Method C/VM2 Appendix A Paragraph A1.2 and Paragraph A1.3 of the New Zealand Building Code.

The average specific extinction area was determined in accordance with Verification Method C/VM2 Appendix A Paragraph A1.2 of the New Zealand Building Code.

PRODUCT	GROUP NUMBER	AVERAGE SPECIFIC EXTINCTION AREA	PEAK HEAT RELEASE RATE	TOTAL HEAT RELEASED
ZINCALUME®	GROUP 1-S	3.8m ² /kg	1.7kW/m ²	2.25MJ/m ²
COLORSTEEL® MAXAM™	GROUP 1-S	56.0m ² /kg	3.6kW/m ²	0.3MJ/m ²



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