

COUNCIL COMPLIANCE

Fire Testing

FIRE TESTING OF COATED
STEEL PRODUCTS



COLORSTEEL®

GALVSTEEL®

Zincalume®

NEW ZEALAND
STEEL



Fire testing of coated steel products

New Zealand Steel's coated products have been tested in accordance with ISO 5660 Part 1 and Part 2 by CSIRO – Materials Science and Engineering, North Ryde, NSW, Australia.

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
GALVSTEEL®	GROUP 1-S	2.6m ² /kg	0.0kW/m ²	0.0MJ/m ²
ZINCALUME®	GROUP 1-S	3.8m ² /kg	1.7kW/m ²	2.25MJ/m ²
COLORSTEEL® ENDURA®	GROUP 1-S	132.2m ² /kg	16.0kW/m ²	0.54MJ/m ²
COLORSTEEL® MAXX®	GROUP 1-S	107.0m ² /kg	15.3kW/m ²	0.44MJ/m ²

For more information about COLORSTEEL® products call **0800 100 523** or visit **colorsteel.co.nz**

For more information about GALVSTEEL® visit **nzsteel.co.nz/galvsteel**



NOTE: Buyers and users of New Zealand Steel products and services must make their own assessment of the products for their own conditions. All queries regarding product specification, purpose or application should be directed to New Zealand Steel, phone 0800 100 523. New Zealand Steel reserves the right to modify products, techniques, equipment and statements to reflect improvements in the manufacture and application of its products. The information contained in this brochure is supplied without prejudice to New Zealand Steel's standard terms and conditions of sale. In the event of conflict between this information and the standard terms and conditions, the standard terms and conditions prevail. COLORSTEEL® and GALVSTEEL® are registered trademarks of New Zealand Steel Limited. ZINCALUME® is a registered trademark of BlueScope Steel Limited.

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