

# Certificate of Assessment

Quote No.: NKI7014

No. 1967

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This is to certify that the specimen described below was tested by the CSIRO Division of Materials Science and Engineering 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), at 50 kW/m<sup>2</sup>, on behalf of:

Fletcher Building Ltd trading as Pacific Coil Coaters  
968 Great South Road  
PENROSE AUCKLAND 1061  
NEW ZEALAND

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNKI 11017.

SAMPLE IDENTIFICATION: Colorcote ZR8 - Acrylic Topcoat

DESCRIPTION OF SAMPLE: The sponsor described the tested specimen as Zinalume base metal, Henkel 1402 pre-treatment, PPG Armourbuild Flex Primer, and PPG Acrylic top coat.

Nominal thickness of Zinalume:	0.55-mm
Nominal thickness of Henkel 1402:	1- $\mu$ m to 2- $\mu$ m
Nominal thickness of Armourbuild:	4- $\mu$ m to 6- $\mu$ m
Nominal thickness of top coat:	17- $\mu$ m to 19- $\mu$ m
Nominal thickness of backing primer:	4- $\mu$ m to 6- $\mu$ m
Nominal thickness of backing top coat:	4- $\mu$ m to 8- $\mu$ m
Nominal mass:	51.02 g
Colour:	dark grey

SAMPLE CLASSIFICATION: Group Number: Group 1-S  
(In accordance with Verification Method C/VM2 Appendix A Paragraph A1.2 and Paragraph A1.3 of the New Zealand Building Code.)

Average specific extinction area: 47.9 m<sup>2</sup>/kg  
(In accordance with Verification Method C/VM2 Appendix A Paragraph A1.2 of the New Zealand Building Code.)

Testing Officer: Heherson Alarde Date of Test: 9 January 2014

Issued on the 11<sup>th</sup> day of March 2014 without alterations or additions.



Brett Roddy  
Team Leader, Fire Testing and Assessments

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