

Certificate of Test

Quote No.: NE7281

REPORT No.: FNE11321A

AS/NZS 1530.3:1999 SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE

TRADE NAME: Permalite

SPONSOR: BlueScope Cold Form Solutions Pty Ltd trading as Permalite Aluminium Roofing Solutions
20 Fairbairn Place
EAGLE FARM QLD 4009
AUSTRALIA

DESCRIPTION OF

SAMPLE: The sponsor described the tested specimen as polyester paint system applied onto a range of profiled aluminium roof/wall sheeting: LT7-2, VRib-1, Alspan-1, and Waveline-2. For the test, the specimens were tested on a range of paint colours from darkest to lightest shades.

Nominal base metal thickness (BMT):	0.9-mm
Nominal total dry film thickness (DFT) of primer and top coat (exposed side):	20- μ m
Nominal dry film thickness (DFT) of backing coat (unexposed side):	9- μ m
Nominal total mass:	2.6 kg/m ²
Colours:	various (green, grey, white)

TEST PROCEDURE: Six samples were tested in accordance with Australian Standard 1530, Method for fire tests on building components and structures, Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, 1999. For the test, each sample was clamped to the specimen holder in four places.

RESULTS: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	N/A	N/A
Flame Spread Time (s)	N/A	N/A
Heat Release Integral	N/A	N/A
Smoke Release (log ₁₀ D)	-1.840	0.158

For regulatory purposes these figures correspond to the following indices:


Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
0	0	0	2

The results of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

DATE OF TEST: 6 January 2015

Issued on the 6th day of February 2015 without alterations or additions. This certificate supersedes Report No. FNE11321 issued on 14 January 2015.


Heherson Alarde
Testing Officer


Brett Roddy
Team Leader, Fire Testing and Assessments

Copyright CSIRO 2015 ©. Copying or alteration of this report without written authorisation from CSIRO is forbidden.



NATA Accredited Laboratory
Number: 165
Corporate Site No 3625
Accredited for compliance with ISO/IEC 17025

CSIRO INFRASTRUCTURE TECHNOLOGIES

14 Julius Avenue, Riverside Corporate Park, North Ryde NSW 2113 AUSTRALIA
Telephone: 61 2 9490 5444 Facsimile: 61 2 9490 5555 www.csiro.au

