

Certificate of Test

QUOTE No.: NE8282

REPORT No.: FNE12492

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

TRADE NAME: Blue Mountain Co Gutter Mesh 2mm Aluminium

SPONSOR: Rain Harvesting Pty Ltd
12 Mayneview Street
MILTON QLD 4064
AUSTRALIA

DESCRIPTION OF SAMPLE:

The sponsor described the tested specimen as a coated woven aluminium mesh with aperture size of 2-mm by 2-mm. The mesh was powder coated with polyethylene on both sides. The specimen is comprised of one 150-mm by 600-mm and one 450-mm by 600-mm pieces juxtaposed together to form the 450-mm by 600-mm dimensions required for testing.

Nominal thickness of aluminium: 0.5 mm
Nominal thickness of coating: 0.03 µm to 0.05 µm
Nominal total thickness: 0.054 mm to 0.056 mm
Nominal mass: 0.51 kg/m²
Colour: grey (as sighted by laboratory)

TEST PROCEDURE: Six (6) specimens were tested in accordance with AS/NZS 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 each test, each sample clamped to the specimen holder in four places.

OBSERVATIONS: Although vapours from the specimen did not ignite under the standard test conditions, it was observed that direct flame contact with the specimen at the end of the test caused flames to spread across the specimen surface.

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 (kJ/m ²)	n/a	n/a
Smoke Release (log ₁₀ D)	-2.350	0.082

For regulatory purposes these figures correspond to the following indices:

Ignitability Index	Spread of Flame Index	Heat Evolved Index	Smoke Developed Index
(0-20)	(0-10)	(0-10)	(0-10)
0	0	0	0 - 1

The results only apply to the specimen mounted as described in this report. 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: 15 November 2019

Issued on the 4th day of December 2019 without alterations or additions.



Shaw Tran
Testing Officer



Brett Roddy
Group Leader, Fire Testing and Assessments

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