

Certificate of Test

QUOTE No.: NE9062

REPORT No.: FNE13468

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

TRADENAME: Mission Darkness TitanRF
SPONSOR: Custom Luggage Co Pty Ltd trading as Aus Security Products: Unit 24, 65-75 Captain Cook Drive, CARINGBAH NSW 2229, AUSTRALIA.

MANUFACTURER: MOS Equipment: 118E Ortega Street, SANTA BARBARA CA 93101, USA.

DESCRIPTION OF SAMPLE:

The sponsor described the tested specimen a faraday material comprised of polyester fibres, metallic nickel and metallic copper.

Nominal thickness: 0.15 mm
Nominal mass: 78 g/m²
Colour: bronze

The test result only relates to the specimen tested and described in this report. CSIRO was not involved in the selection of the materials.

TEST PROCEDURE: Nine (9) samples 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 the test, each sample was restrained by one layer of square mesh having 0.8-mm diameter wires at approximately 13-mm centres over the exposed face, had a backing of 4.5-mm thick fibre-reinforced-cement board and clamped to the specimen holder in four places.

OBSERVATIONS: Due to variable behaviour, nine specimens were tested, as required by Clause 2.8 of AS/NZS 1530.3:1999. Only 7 of the 9 specimens ignited.

RESULTS: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	14.8	0.7
Flame Spread Time (s)	N/A	N/A
Heat Release Integral (kJ/m ²)	N/A	1.9
Smoke Release (log ₁₀ D) ignition	-1.387	0.075
non-ignition	-4.540	2.306

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)
5	0	0	3

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.

Testing Officer: Clive Broadhead Date of Test: 11 February 2026

Issued on the 20th day of February 2026 without alterations or additions.



Stephen Smith
Team Leader, Reaction to Fire Laboratory
End of Report

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