

Certificate of Test

NE6632

REPORT No.: FNE10516

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

TRADE NAME: Lyta Mesh

SPONSOR: Talawa Management Pty Ltd
6 Gatwood Close
PADSTOW NSW
AUSTRALIA

DESCRIPTION OF SAMPLE: The sponsor described the tested specimen as scaffolding protection mesh made from long polyethylene-terephthalate (PET) fibre knitted grid, 50 mm x 50 mm centres and coated with PVC. A polyethylene (PE) shade cloth netting is sewn onto one side of the PET grid. The specimen contained flame retardant additives.

Nominal total thickness: 1.0 mm
Nominal total mass: 700 g/m²
Colour: blue

TEST PROCEDURE: Nine 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 held between two layers of square mesh having 0.8-mm dia. wires at approximately 13-mm centres over each face, and was 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. Some flashing occurred on the samples prior to ignition. Of the nine specimens that ignited, only six emitted a rise of 1.4 kW/m² in the prescribed period.

RESULTS: The following means and standard errors were obtained:


Parameter	Mean	Standard Error
Ignition Time (min)	4.3	0.1
Flame Spread Time (s)	44.7	13.6
Heat Release Integral (kJ/m ²)	150.2	27.5
Smoke Release (log ₁₀ D)	-0.118	0.053

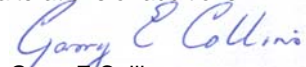
For regulatory purposes these figures correspond to the following indices:

Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
16	8	6	7

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: 23 April 2012
Issued on the 24th day of April 2012 without alterations or additions.


Heherson Alarde
Testing Officer


Garry E Collins
Manager, Fire Testing and Assessments



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