

Certificate of Test

Quote No.: NE7289

REPORT No.: FNE11313

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

TRADE NAME: Apcoflex Insulation

SPONSOR: Apco Korea and Middle East Trading & Manufacturing
Plot 2363 Industrial Area Zone 11
SHARJAH
UNITED ARAB EMIRATES

DESCRIPTION OF

SAMPLE: The sponsor described the tested specimen as reinforced reflective aluminium-faced closed cell cross-linked polyolefin flexible thermal foam insulation. The foam contained flame retardant additives.

Nominal total thickness: 12-mm
Nominal foam density: 40 kg/m³
Colours: silver (facing) / dark grey (foam)

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 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. Of the nine specimens that ignited, only five (5) 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)	2.3	0.1
Flame Spread Time (s)	24.0	1.7
Heat Release Integral	20.5	3.6
Smoke Release (log ₁₀ D)	-0.914	0.059

For regulatory purposes these figures correspond to the following indices:

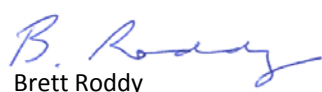
Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
18	8	0	4

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 December 2014

Issued on the 7th day of January 2015 without alterations or additions.


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Testing Officer


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Team Leader, Fire Testing and Assessments

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