

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
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Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : Selection Steel Trading
64-66 Ventura Place
Dandenong South VIC 3175

Test Number : 19-001730
Issue Date : 9/04/2019
Print Date : 1/05/2019

Sample Description Clients Ref : "Unicote Lux"
Metal Sheet
End Use : Roofing and Cladding
Nominal Composition : Low Carbon Steel with Metallic Alby Coated Substrate (Nom. 50 Micron
Total both Sides and Organic Top Coating (No., 45 Micron both sides)
Nominal Mass per Unit Area/Density : 7850kg/m3
Nominal Thickness : 0.55mm Base Metal Thickness

AS/NZS 1530.3-1999

Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

	Face	Standard Error	Mean
Face tested:	Face		
Date tested:	08/04/2019		
Ignition time	Nil		Nil min
Flame propagation time	Nil		Nil sec
Heat release integral	Nil		Nil kJ/m ²
Smoke release, log d	0.0306		-1.3709
Optical density, d			0.0431 / metre
Number of specimens tested:			6
Regulatory Indices:			
Ignitability Index			0 Range 0-20
Spread of Flame Index			0 Range 0-10
Heat Evolved Index			0 Range 0-10
Smoke Developed Index			3 Range 0-10

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Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing : Accreditation No. 983
- Mechanical Testing : Accreditation No. 985
- Performance & Approvals Testing : Accreditation No. 1356

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APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc. (Hons)
MANAGING DIRECTOR

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The reaction of thin unsupported flexible materials to flame impingement can be assessed in accordance with AS 1530.2. Where materials of thickness less than 2mm that are sufficiently flexible to be bent by hand around a mandrel of 2mm diameter or less are subjected to the test described herein, they should also be subjected to the test in AS 1530.2.

Ignition is initiated by a pilot flame that is held near, but does not touch the specimen. A material that does not ignite during the standard test may ignite if contacted with a pilot flame during the test.

Each test specimen had an unattached backing of 4.5mm thick fibre reinforced cement board.

Each test specimen was restrained on the exposed face by a layer of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions and the assembly clamped in four places.

These results only apply to the specimen mounted, as described in this report. The result 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.

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