

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

Client : Delta Panels Pty Ltd
2828 Ipswich Road
Darra QLD 4076

Test Number : 23-000591
Issue Date : 20/02/2023
Print Date : 20/02/2023

Sample Description Clients Ref : "DeltaOrb - TPC"
Sandwich panel
Colour : Light Grey
End Use : Insulated Building Panel
Nominal Composition : Prepainted steel skins bonded to a Thermosetting Phenolic composite core
Nominal Mass per Unit Area/Density : 38.42kg/m3
Nominal Thickness : 100mm



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Accreditation Numbers: 983, 985, and 1356

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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 tested: Face(Flat Surface)

Date tested: 20-02-2023

	Standard Error	Mean
Ignition time	Nil	Nil min
Flame propagation time	Nil	Nil sec
Heat release integral	Nil	Nil kJ/m ²
Smoke release, log d	0.2109	-2.4038
Optical density, d		0.0070 / metre

Number of specimens ignited: 0

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 0-1 Range 0-10

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Smoke Developed Index is reported as 0-1 due to the inability of the smoke measurement equipment to resolve an index of zero.

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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