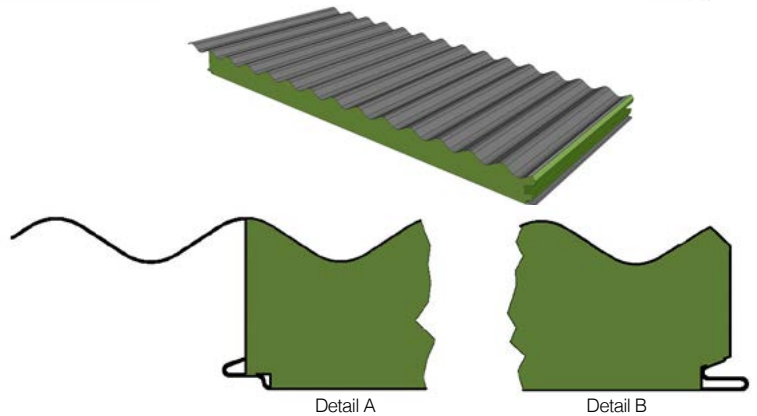


DeltaOrb-MW is an Insulated Roof Panel System, comprising of two pre-painted, roll-formed steel skins, with a roll-formed steel skins bonded to a non-combustible mineral wool core.

CodeMark Australia Certificate CM40345 DeltaFireX Car Port System incorporating DeltaOrb-MW panels certifies compliance with the stated performance provisions of the NCC 2022 Amendment 2. Please refer to the certificate, as displayed on our web page, for the exact details of the compliance.

CodeMark Australia Certificate CM40346 Class 10a Awning and Patio Roof System incorporating DeltaOrb-MW and DeltaOrb-EPS panels certifies compliance with the stated performance provisions of the NCC 2022 Amendment 2. Please refer to the certificate, as displayed on our web page, for the exact details of the compliance.



Fire Test Certificate - AS ISO 9705

Group 1 Classification in accordance with NCC 2022 Volume One Amendment 2 Clause C2D11 & Clause S7C4 determined in accordance with AS 5637.1:2015 as per Jensen Hughes test report 252674 issued 28 November 2025 & Spectra Fire Engineers report 25367 issued 25 November 2025

Combustibility Test AS 1530.1-1994

CSIRO Report no. FNC12604 dated 8/7/2020 tested five (5) samples of the Delta Panels supplied mineral wool sample and certified that the material is NOT deemed combustible according to the criteria specified in clause 3.4 of AS 1530.1-1994.

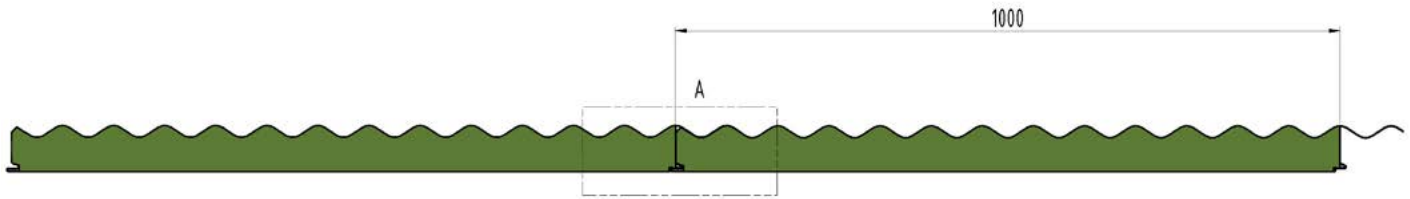
Sotera - FireXTM Car Port System

The Sotera report A21007 J005 - DeltaFireX Car Port System FER dw rev 1-4 (NOTE REV 1-4) confirms that the FireXTM Car Port System meets the performance requirements of H3P1 Volume 2, NCC 2022 Amendment 2 when installed in accordance with the DeltaFireXRoof Brochure version V25.12.04 and section 4.4 of their report as a Class 10a structure (car port) attached or adjacent to a Class 1a building positioned directly adjacent to the site boundary (i.e.) less than 900 mm from the site boundary)

Sotera - Delta MW and EPS-FR Awning & Patio Roof System

The Sotera report A21007 J004 - Delta MW and EPS-FR Awning and Patio Roof System FER dw rev 1-4, confirms that the Mineral Wool & EPS-FR Awning & Patio Roof System meets the performance requirements of H2P1 Volume 2, NCC 2022 Amendment 2 when installed in accordance with the Delta Mineral Wool Panels Brochure version V25.12.04 and section 4.4 of their report as a Class 10a structure (car port) attached or adjacent to a Class 1a building positioned directly adjacent to the site boundary (i.e.) less than 900 mm from the site boundary)

Steel Skin Details	Top Skin	0.42mm / G550 AZ150	
	Bottom Skin	0.55mm / G300 Z275	
Max. Skin Temperature	78°C Dry Heat		
Core Material Details	Mineral Wool		
Thermal Conductivity AS 1366.2/ASTM C 518	0.0365 W/mK @23.0°C		
Core Density	100kg/m³		
0.6mm Skin Weight (kg/ m²)	75mm Panel	18.50	
	100mm Panel	21.00	
	125mm Panel	23.50	
	150mm Panel	26.00	
R Value (m².K/W) AS/NZS 4859 Parts 1 & 2:2018	Thickness	Winter (15°)	Summer (30°)
	75mm Panel	2.50	2.35
	100mm Panel	3.20	3.00
	125mm Panel	3.90	3.70
	150mm Panel	4.60	4.35
Certificate of Conformity	CM40435 & CM40436		
Sheet Coverage	1000mm		
Length (mm)	Cut to Length Min of 1800mm		
Length Tolerance (mm)	5mm+/-		
Thickness (mm)	75, 100, 125, 150		
Minimum Roof Pitch	Building Classes 1-9 - 5°		
	Building Class 10 - 3°		
Flatness Standards	0.40mm	Surface deformations can be apparent to the naked eye when observed in certain lighting conditions	
	0.60mm		



Early Fire Hazard Properties AS 1530.3:1999

AWTA Test Report 21-003529 19/07/21

Index	Test Range	External Top Skin
Ignitability	0-20	0
Spread of Flame	0-10	0
Heat Evolved	0-10	0
Smoke Developed	0-10	3

DeltaOrb-MW Spanning Recommendation

Due to the friable nature of Mineral Wool we recommend that the maximum unsupported spanning is:-

75mm - 2500mm	100mm - 2500mm
125mm - 3000mm	150mm - 3000mm



Detail A

Acoustic Values

Acoustic Testing has been performed in compliance with the requirements of AS 1191-2002 "Acoustics - Method for Laboratory Measurement of Airborne Sound Insulation of Building Elements".

The procedures specified by AS/NZS ISO 717.1:2024 were used to calculate the Sound Transmission Class (STC) and the Weighted Sound Reduction Index $R_w = 25$ dB.

Handling & Installation

DeltaOrb-MW core material is fibrous as such it is easy to fracture the mineral wool fibres if handled and installed incorrectly. Please ensure that correct lifting equipment is used when the panels are transported and lifted into position. Refer to the Handling & Installation Manual - Roof Systems for the correct Crane & Sling Procedures. When installing Mineral Wool panels only step onto the section of the panels that are supported by the underneath roof structure. **Do not step on unsupported spans.** Once installed it is classified as trafficable for maintenance purposes only and all traffic should only be on the supported roof sections.

DeltaOrb-MW Acoustic Values

		50mm	125mm
Frequency	100	15.41	15.00
	160	16.40	15.09
	200	18.81	17.70
	250	19.70	18.51
	315	21.39	19.40
	400	22.31	19.69
	630	23.40	19.10
	800	23.69	17.31
	1000	25.61	18.29
	1250	21.01	30.10
	1600	20.00	36.19
	2000	34.79	37.30
	2500	41.70	37.09
	3150	44.10	35.69
	5000	44.61	39.90
	STC	24.00	23.00
	RW	25.00	24.00

Please refer to the web page for the available colour range, paint finishes and relevant warranty conditions.



As at the stated Version Date all of the information contained in this document is correct. Please check on our WebPage to ensure that you're referencing the current version.

DeltaOrb-MW Fixing Details

Crest fixing only. One fixing every second crest

Panel Thickness (mm)	Fixing into Steel	Fixing into Timber
75	Tek 14 x 135 Hex Head Screw	T17 14 x 150 Hex Head Screw
100	Tek 14 x 150 Hex Head Screw	T17 14 x 175 Hex Head Screw
125	Tek 14 x 175 Hex Head Screw	T17 14 x 200 Hex Head Screw
150	Tek 14 x 200 Hex Head Screw	T17 14 x 230 Hex Head Screw

Use Cyclone Plate and Neo Washer on each fixing.

Upon Installation the overlap needs to be stitch screwed or riveted every 300mm.

