

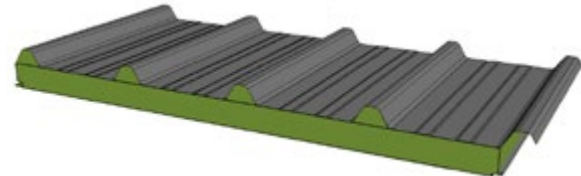
**DeltaTrim-MW** is an Insulated Roof Panel System, comprising of two pre-painted, roll-formed steel skins, with a roll-formed steel skins bonded to a non-combustible mineral wool core.

The top profile offers striking looks with all of the benefits of modern Insulated Panel technologies.

The bottom skin has a roll-formed tongue and groove edge.

CodeMark Australia Certificate CM40345 DeltaFireX Car Port System incorporating DeltaTrim-MW panels certifies compliance with the stated performance provisions of the BCA 2019. 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 DeltaTrim-MW and DeltaTrim-EPS panels certifies compliance with the stated performance provisions of the BCA 2019. Please refer to the certificate, as displayed on our web page, for the exact details of the compliance.



Detail A

Detail B

| Early Fire Hazard Properties AS 1530.3:1999 |            |                   |
|---|------------|-------------------|
| AWTA Test Report 21-003527 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                 |

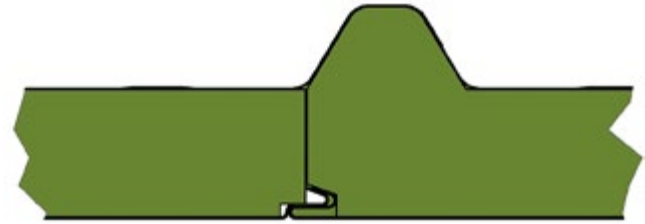
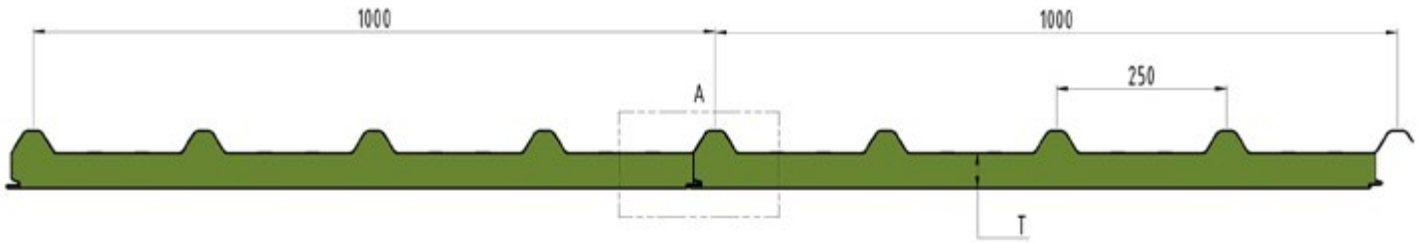
| Combustibility Test AS 1530.1-1994   |  |
|--|--|
| CSIRO Report no. FNC12604 dated 8/7/2020 tested five (5) samples of the Delta Panels supplied mineral wool sample and certified that the material is NOT deemed combustible according to the criteria specified in clause 3.4 of AS 1530.1-1994. |  |

| Sotera - FireX™ Car Port System   |  |
|---|--|
| The Sotera report A21007 J005 - DeltaFireX Car Port System FER dw rev 1-3 confirms that the FireX™ Car Port System meets the performance requirements of P2.3.1(a) Volume 2, NCC 2019 Amendment 1 when installed in accordance with the DeltaFireXRoof Brochure version v15.10.21 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 1-3, confirms that the Mineral Wool & EPS-FR Awning & Patio Roof System meets the performance requirements of P2.3.1(a) Volume 2, NCC 2019 Amendment 1 when installed in accordance with the Delta Mineral Wool Panels Brochure version V20.10.21 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) |  |

|  |                             |  |
|--|-----------------------------|--|
| <b>Steel Skin Details</b>                        | Top Skin                    | 0.42mm / G550 AZ150  |
|  | Bottom Skin                 | 0.55mm / G300 Z275   |
| <b>Max. Skin Temperature</b>                     | 78°C Dry Heat               |  |
| <b>Core Material Details</b>                     | Mineral Wool                |  |
| <b>Thermal Conductivity AS 1366.2/ASTM C 518</b> | 0.0363 W/mK @23.0°C         |  |
| <b>Core Density</b>                              | 100kg/m <sup>3</sup>        |  |
| <b>0.6mm Skin Weight (kg/m<sup>2</sup>)</b>      | 75mm Panel                  | 18.50  |
|  | 100mm Panel                 | 21.00  |
|  | 125mm Panel                 | 23.50  |
|  | 150mm Panel                 | 26.00  |
| <b>R Value</b>                                   | 75mm Panel                  | 2.08   |
|  | 100mm Panel                 | 2.78   |
|  | 125mm Panel                 | 3.48   |
|  | 150mm Panel                 | 4.17   |
| <b>Certificate of Conformity</b>                 | CM40435 & CM40436           |  |
| <b>Sheet Coverage</b>                            | 1000mm                      |  |
| <b>Length (mm)</b>                               | Cut to Length Min of 1800mm |  |
| <b>Length Tolerance (mm)</b>                     | 5mm+/-                      |  |
| <b>Thickness (mm)</b>                            | 75, 100, 125, 150           |  |
| <b>Minimum Roof Pitch</b>                        | 2°                          |  |
| <b>Flatness Standards</b>                        | 0.40mm                      | Surface deformations can be apparent to the naked eye when observed in certain lighting conditions |
|  | 0.60mm                      |  |

Version Date: 18.05.2022



Detail A

### DeltaTrim-MW Single & Multi Span Non-Cyclonic Tabs

| Span<br>mm | Pressure (kPa) |       |       |       |
|------------|----------------|-------|-------|-------|
|            | 75mm           | 100mm | 125mm | 150mm |
| 1800       | 2.29           | 3.27  | 4.24  | 5.49  |
| 2400       | 1.44           | 2.09  | 2.74  | 3.63  |
| 3000       | 0.94           | 1.34  | 1.73  | 2.33  |
| 3600       | 0.63           | 0.93  | 1.22  | 1.61  |
| 4200       | 0.46           | 0.67  | 0.91  | 1.16  |
| 4800       | 0.36           | 0.53  | 0.70  | 0.91  |
| 5400       | 0.28           | 0.43  | 0.56  | 0.74  |
| 6000       |                | 0.33  | 0.43  | 0.59  |

**DeltaTrim-MW** 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 1276-1979 and AS/NZS ISO 717.1:2004 were used to calculate the Sound Transmission Class (STC) and the Weighted Sound Reduction Index (Rw) of **DeltaTrim-MW**.

### DeltaTrim-MW Acoustic Values

| Frequency  | 50mm  | 125mm |
|------------|-------|-------|
|            | 100   | 15.41 |
| 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 |
| <b>STC</b> | 24.00 | 23.00 |
| <b>RW</b>  | 25.00 | 24.00 |

**DeltaTrim-MW** is classed as trafficable when used in a roof application.

### DeltaTrim-MW Fixing Details

Crest fixing only. One fixing every second crest

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