

## TECHNICAL DATA SHEET | COMPRESSED SHEET

| APPLICATIONS                      |  |
|-----------------------------------|--|
|                                   | RESULT   |
| <b>Applications</b>               | Flooring & Decking   |
| <b>Type of Building Structure</b> | Residential Housing Buildings within the scope of AS4055, Commercial & Other (Limited loadings - refer to Design & Installation Guide) |
| <b>Wet Areas</b>                  | Yes  |

| PANEL – DIMENSIONAL & GEOMETRICAL CHARACTERISTICS |   |   |                      |
|---|---|---|----------------------|
| DIMENSIONAL/<br>GEOMETRICAL CHARACTERISTIC        | SPECIFICATION   | MANUFACTURING<br>TOLERANCE                              | RELEVANT<br>STANDARD |
| <b>Panel Dimensions</b>                           | 1200 mmW x 2400 mmL x 9 mmD<br>1200 mmW x 2400 mmL x 12 mmD<br>1200 mmW x 3000 mmL x 9 mmD<br>1200 mmW x 3000 mmL x 12 mmD<br>900 mmW x 1800 mmL x 15 mmD<br>900 mmW x 2100 mmL x 15 mmD<br>900 mmW x 2400 mmL x 15 mmD<br>900 mmW x 2700 mmL x 15 mmD<br>900 mmW x 3000 mmL x 15 mmD<br>1200 mmW x 1800 mmL x 15 mmD<br>1200 mmW x 2100 mmL x 15 mmD<br>1200 mmW x 2400 mmL x 15 mmD<br>1200 mmW x 2700 mmL x 15 mmD<br>1200 mmW x 3000 mmL x 15 mmD<br>900 mmW x 2400 mmL x 18 mmD<br>900 mmW x 3000 mmL x 18 mmD<br>1200 mmW x 1800 mmL x 18 mmD<br>1200 mmW x 2400 mmL x 18 mmD<br>1200 mmW x 3000 mmL x 18 mmD<br>1200 mmW x 2400 mmL x 24 mmD | Width +0 -3 mm<br>Length +0 -3 mm<br>Thickness +10% -0% |                      |
| <b>Profile</b>                                    | Square Edge   |   |                      |
| <b>Perpendicularity/squareness of edges</b>       | 1 mm/linear metre   |   |                      |
| <b>Weight (typical)</b>                           | 6 mm = 11.9 kg/m <sup>2</sup> , 12 mm = 23.4 kg/m <sup>2</sup> ,<br>15 mm = 29.25 kg/m <sup>2</sup> , 18 mm = 35.1 kg/m <sup>2</sup>  |   |                      |
| <b>Layout Options</b>                             | N/A   |   |                      |
| <b>Jointing</b>                                   | Butt Jointed, Sealant   |   |                      |

| PANEL – STRENGTH & MOISTURE RELATED PROPERTIES |                        |                   |  |
|--|------------------------|-------------------|--|
| PHYSICAL PROPERTY                              | RESULT                 | RELEVANT STANDARD |  |
| <b>Modulus of Rupture (Wet)</b>                | >18 MPa                | AS2908.2          |  |
| <b>Modulus of Elasticity (Wet)</b>             | 9-13 GPa               | AS2908.2          |  |
| <b>Density (Oven Dry)</b>                      | 1625 kg/m <sup>3</sup> | AS2908.2          |  |
| <b>Water Vapor Diffusion</b>                   | Not Required           | Not Required      |  |
| <b>Water Tightness (24hrs)</b>                 | No water droplet       | AS2908.2          |  |
| <b>Water Absorption (Saturated – 48hrs)</b>    | 18 wt%                 | ASTM C 1186       |  |
| <b>Moisture Content (EMC)</b>                  | 7 wt%                  | ASTM C 1186       |  |
| <b>Moisture Movement</b>                       | 0.039%                 | ASTM C 1186       |  |

**PANEL – OTHER DURABILITY/WEATHER RESISTANCE INDICATORS**

| TEST                  | RESULT             | RELEVANT STANDARD |
|-----------------------|--------------------|-------------------|
| Heat Rain             | PASSED (25 Cycles) | AS2908.2          |
| Freeze Thaw           | PASSED (50 Cycles) | AS2908.2          |
| Warm Water Resistance | PASSED (56 Days)   | AS2908.2          |
| Soak Dry              | PASSED (25 Cycles) | AS2908.2          |

**PANEL – FINISH CHARACTERISTICS**

| CHARACTERISTIC               | RESULT              | RELEVANT STANDARD  |              |                   |
|------------------------------|---------------------|--------------------|--------------|-------------------|
| Finish                       | Unprimed            |                    |              |                   |
| Coating Type                 |                     |                    |              |                   |
| Colour Bodied                | No                  |                    |              |                   |
| Paint Type                   |                     |                    |              |                   |
| UV Resistance                | N/A                 | N/A                |              |                   |
| Formaldehyde Emission Rate   | N/A                 | N/A                |              |                   |
| VOC Emission Rate            | N/A                 | N/A                |              |                   |
| SPECTRAL REFLECTIVITY VALUES | SOLAR REFLECTANCE % | SOLAR ABSORPTION % | BASIX COLOUR | RELEVANT STANDARD |
| Compressed Sheet             |                     |                    |              | N/A               |

**PANEL – FIRE RESISTANCE, THERMAL & ACOUSTIC PROPERTIES**

| CHARACTERISTIC                            | RESULT   | RELEVANT STANDARD |
|---|--|-------------------|
| <b>Fire Resistance</b>                    |  |                   |
| Combustibility                            | Suitable for use in applications where non-combustible materials are specified by the Deemed to Satisfy Provisions of the 2016 BCA Vol 1 Amendment 1 Clause C1.9 (2015 BCA Vol Clause C1.12) |                   |
| Fire Hazard Properties                    | Group 1 Av Specific Extinction Area <250   | AS5637.1          |
| Classification                            | 1  | AS/NZ3837         |
| <b>Thermal Conductivity</b>               |  |                   |
| Thermal Conductivity (λ-Factor)           | ≈ 0.4108 W/m.K   |                   |
| Thermal Expansion Co-efficient            | 0.005-0.01 mm/mK   | N/A               |
| <b>Acoustic Value</b>                     |  |                   |
| Sound reduction (depends on construction) | N/A  | N/A               |

**SYSTEM SOLUTIONS**

| CHARACTERISTIC   | RESULT  | RELEVANT STANDARD                  |
|--|---|------------------------------------|
| <b>Within Scope of AS4055?</b>   | Yes   |                                    |
| <b>Wind Loading – Residential housing buildings within the scope of AS4055</b> | N/A   |                                    |
| <b>Weatherproofing</b>   | N/A   | N/A                                |
| <b>Cyclonic Conditions</b>   | N/A   | N/A                                |
| <b>Fire Resistance Limits (FRLs)</b>   | Up to 120/120/120 & -/180/180   | Refer to Gyprock®<br>The Red Book™ |
| <b>Bushfire Construction</b>   | BAL 40 (Construction for Bushfire Attack Level 40 for an external wall) | AS3959-8                           |
| <b>Acoustic</b>  | Acoustic solutions of up to RW/RW+CTR 56/47 are detailed                | Refer to Gyprock®<br>The Red Book™ |
| <b>Thermal</b>   | Thermal solutions of up to RT(sum)/RT(win) 3.5/3.8 are detailed         | Refer to Gyprock®<br>The Red Book™ |

**FIXING**

| CHARACTERISTIC               |   |
|------------------------------|---|
| Maximum Span (Stud Spacing)  | Up to 450 mm (15 mm). Up to 600 mm (18 mm). |
| <b>Direct Fix</b>            |   |
| Nail to Timber Frame         | No  |
| Screw to Timber Frame        | Yes   |
| Screw to Steel Frame         | Yes   |
| <b>Cavity Fix</b>            |   |
| Timber Frame                 | No  |
| Steel Frame                  | No  |
| Masonry Frame                | No  |
| <b>Exposed Fasteners</b>     |   |
| Screw                        | No  |
| Rivet                        | No  |
| Nail                         | No  |
| <b>Concealed Fasteners</b>   |   |
| Clip                         | No  |
| Countersunk Screw/Nail       | Yes   |
| Adhesive, Split Batten, etc. | Yes   |
| Hidden by Overlapping Panel  | No  |
| Flush Jointed (Taped)        | No  |

**WARRANTY**

**25 YEARS**