

PANEL DESCRIPTION / COMPOSITION

## Constructafloor™ Internal

### APPLICATIONS

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

### PANEL - DIMENSIONAL & GEOMETRICAL CHARACTERISTICS

| Dimensional/Geometrical Characteristic | Specification  | Manufacturing Tolerance                                   | Relevant Standard |
|--|--|---|-------------------|
| Panel Dimensions                       | 600mmW x 2700mmL x 19mmD<br>900mmW x 1800mmL x 19mmD | Width +0 -3 mm<br>Length +0 -3 mm<br>Thickness +0.3 -0 mm |                   |
| Profile                                | Tongue & Groove                                      |   |                   |
| Perpendicularity/squareness of edges   | 2mm/linear meter                                     |   |                   |
| Weight (typical)                       | 23.5kg/m <sup>2</sup>                                |   |                   |
| Layout Options                         | N/A  |   |                   |
| Jointing                               | Concealed  |   |                   |

### PANEL - STRENGTH & MOISTURE RELATED PROPERTIES

| Physical Property           | Result                 | Relevant Standard |
|-----------------------------|------------------------|-------------------|
| Modulus of Rupture (Wet)    | > 8 MPa                | AS2908.2          |
| Modulus of Elasticity (Wet) | 9-13GPa                | AS2908.2          |
| Density (Oven Dry)          | 1220 kg/m <sup>3</sup> | AS2908.2          |

|                                      |                  |              |
|--------------------------------------|------------------|--------------|
| Water Vapor Diffusion                | Not Required     | Not Required |
| Water Tightness (24hrs)              | No water droplet | AS2908.2     |
| Water Absorption (Saturated – 48hrs) | 30 wt%           | ASTM C 1186  |
| Moisture Content (EMC)               | 7 Wt %           | ASTM C 1186  |
| Moisture Movement                    | 0.062%           | 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                     | Preprimed            |                   |
| Coating Type               | Sealer: Polyurethane |                   |
| 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 |
|------------------------------|---------------------|--------------------|--------------|-------------------|
| Constructafloor™ Internal    |                     |                    |              | N/A               |

#### PANEL - FIRE RESISTANCE, THERMAL & ACOUSTIC PROPERTIES

| Characteristic  | Result   | Relevant Standard |
|-----------------|--|-------------------|
| FIRE RESISTANCE |  |                   |
| 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     | Group 1 Av Specific Extinction Area <250   | AS/NZ             |

|   |   |               |
|---|---|---------------|
| Properties                                |   | 3837          |
| Classification                            | 1   | AS/NZ<br>3837 |
| Surface Burning Characteristics           | Ignitability =0, Flame Propagation =0, Heat Release =0, Smoke Release=1 | AS1530.3      |
| THERMAL CONDUCTIVITY                      |   |               |
| Thermal Conductivity ( $\lambda$ -Factor) | $\approx 0.2290$ W/m.K.   |               |
| Thermal Expansion Co-efficient            | 0.005-0.01mm/mK   | N/A           |
| ACOUSTIC VALUE                            |   |               |
| Sound reduction (depends on construction) | N/A   | N/A           |

## SYSTEM SOLUTIONS

| Characteristic  | Result   | Relevant Standard               |
|---|--|---------------------------------|
| Within Scope of AS4055?   | Yes  |                                 |
| Wind Loading - Residential housing buildings within the scope of AS4055 | N/A  |                                 |
| Weatherproofing   | N/A  | N/A                             |
| Cyclonic Conditions   | N/A  | N/A                             |
| Fire Resistance Limits (FRLs)   | Up to 60/60/60   | Refer to Gyprock® The Red Book™ |
| Bushfire Construction   | N/A  | N/A                             |
| Acoustic  | Possible to achieve RW+CTR of greater than 50 & Ln,w of less than 62 | Refer to Gyprock® The Red Book™ |
| Thermal   | N/A  | N/A                             |

## FIXING

| Characteristic              |             |
|-----------------------------|-------------|
| Maximum Span (Stud Spacing) | Up to 450mm |
| DIRECT FIX                  |             |
| Nail to Timber Frame        | Yes         |

|                              |     |
|------------------------------|-----|
| Screw to Timber Frame        | Yes |
| Screw to Steel Frame         | Yes |
| INDIRECT FIX                 |     |
| Timber Frame                 | No  |
| Steel Frame                  | No  |
| Masonry Frame                | No  |
| EXPOSED FASTENERS            |     |
| Screw                        | No  |
| Rivet                        | No  |
| Nail                         | No  |
| CONCEALED FASTENERS          |     |
| Clip                         | No  |
| Countersunk Screw/Nail       | Yes |
| Adhesive, Split Batten, etc. | Yes |
| Hidden by Overlapping Panel  | No  |
| Flush Jointed (Taped)        | No  |

WARRANTY

10 YEARS

January 21, 2019

[cemintel.com.au](http://cemintel.com.au)

