

PANEL DESCRIPTION / COMPOSITION

Street Style - Headland® Weatherboards

APPLICATIONS

| | Result |
|----------------------------|--|
| Applications | Façades & Cladding |
| Type of Building Structure | Residential Housing Buildings within the scope of AS4055 |
| Wet Areas | No |

PANEL - DIMENSIONAL & GEOMETRICAL CHARACTERISTICS

| Dimensional/Geometrical Characteristic | Specification | Manufacturing Tolerance | Relevant Standard |
|--|-----------------------|-------------------------|-------------------|
| Panel Width | 170mm | +1 -0 mm | |
| Panel Length | 4200mm | -0 -3 mm | |
| Panel Thickness | 10mm | +0.5 -0 mm | |
| Profile | Shiplap | | |
| Perpendicularity/squareness of edges | 1mm/linear meter | | |
| Weight (typical) | 16.2kg/m ² | | |
| Layout Options | Horizontal | | |
| Jointing | Concealed | | |

PANEL - STRENGTH & MOISTURE RELATED PROPERTIES

| Physical Property | Result | Relevant Standard |
|--------------------------------------|------------------------|-------------------|
| Modulus of Rupture (Wet) | > 9 MPa | AS2908.2 |
| Modulus of Elasticity (Wet) | 3-5 GPa | AS2908.2 |
| Density (Oven Dry) | 1350 kg/m ³ | 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 Type: Pigmented Sealer On Face | |
| 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 |
|------------------------------|---------------------|--------------------|--------------|-------------------|
| Headland® Weatherboards | | | | N/A |

PANEL - FIRE RESISTANCE, THERMAL & ACCOUSTIC 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 Properties | Group 1 Av Specific Extinction Area <250 | AS 5637.1 |
| Classification | 1 | AS/NZ 3837 |
| THERMAL CONDUCTIVITY | | |
| Thermal Conductivity (λ -Factor) | ≈ 0.2704 W/m.K | |
| Thermal Expansion Co-efficient | 0.005-0.01mm/mK | N/A |
| ACOUSTIC VALUE | | |

| Characteristic | Result | Relevant Standard |
|---|--------|-------------------|
| 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 | N1, N2, N3, N4, N5, C1, C2, C3 | |
| Weatherproofing | Suitable for all building classes as set out in the BCA (ie 1&10, 2-9) | N/A |
| Cyclonic Conditions | N/A | N/A |
| Fire Resistance Limits (FRLs) | Up to 90/90/90 | Refer to Gyprock® The Red Book™ |
| Bushfire Construction | BAL 29 (Construction for Bushfire Attack Level 19 for an external wall) | AS 3959-8 |
| Acoustic | Acoustic solutions of up to RW/RW+CTR 50/42 are detailed | Refer to Gyprock® The Red Book™ |
| Thermal | Thermal solutions of up to RT(sum)/RT(win) 3.4/3.8 are detailed | Refer to Gyprock® The Red Book™ |

FIXING

| Characteristic | |
|-----------------------------|-------------|
| Maximum Span (Stud Spacing) | Up to 600mm |
| DIRECT FIX | |
| Nail to Timber Frame | Yes |
| Screw to Timber Frame | No |
| Screw to Steel Frame | Yes |
| CAVITY FIX | |
| Timber Frame | Yes |
| Steel Frame | Yes |
| Masonry Frame | No |
| EXPOSED FASTENERS | |
| Screw | No |
| Rivet | No |
| Nail | No |
| CONCEALED FASTENERS | |

| Characteristic | |
|------------------------------|-----|
| Clip | No |
| Countersunk Screw/Nail | No |
| Adhesive, Split Batten, etc. | No |
| Hidden by Overlapping Panel | Yes |
| Flush Jointed (Taped) | No |

WARRANTY 25 YEARS

May 2, 2022