

PROCORE^{A1}

Wind Load Pressure Span Table

See below the recommended ultimate limit state (ULS) and serviceability limit state (SLS) non-cyclonic wind load pressures for **PROCORE^{A1}**.

| PROCORE A1 Panel Size | | | Tophat Spacing (mm) | Panel to Z-Angle Fixing Spacing (mm) | Ultimate Strength Capacity ± pressure (kPa) | Serviceability Capacity ± pressure (kPa) |
|-----------------------|---------------------|--------------|------------------------|---|---|---|
| Width b (mm) | Length a (mm) | Ratio a/b | | | | |
| 300 | 300 | 1.0 | 300 | 300 | 10.00 | 10.00 |
| | 450 | 1.5 | 450 | 300 | 9.60 | 9.50 |
| | 600 | 2.0 | 600 | 300 | 9.60 | 9.50 |
| | 750 | 2.5 | 600 | 300 | 8.38 | 8.38 |
| | 900 | 3.0 | 600 | 300 | 8.38 | 8.38 |
| 600 | 600 | 1.0 | 600 | 300 | 3.90 | 3.90 |
| | 900 | 1.5 | 600 | 300 | 3.10 | 3.10 |
| | 1200 | 2.0 | 600 | 300 | 2.90 | 2.80 |
| | 1500 | 2.5 | 600 | 300 | 2.90 | 2.20 |
| | 1800 | 3.0 | 600 | 300 | 2.90 | 1.90 |
| 900 | 900 | 1.0 | 600 | 300 | 2.79 | 2.79 |
| | 1350 | 1.5 | 600 | 300 | 2.79 | 2.79 |
| | 1800 | 2.0 | 600 | 300 | 1.70 | 1.60 |
| | 2250 | 2.5 | 600 | 300 | 1.20 | 1.20 |
| | 2700 | 3.0 | 600 | 300 | 0.90 | 0.90 |
| 1200 | 1200 | 1.0 | 600 | 300 | 2.09 | 2.09 |
| | 1800 | 1.5 | 600 | 300 | 1.30 | 1.30 |
| | 2400 | 2.0 | 600 | 300 | 0.70 | 0.70 |
| | 3000 | 2.5 | 600 | 300 | 0.50 | 0.50 |
| | 3600 | 3.0 | 600 | 300 | 0.40 | 0.40 |
| 1500 | 1500 | 1.0 | 600 | 300 | 1.50 | 1.50 |
| | 2250 | 1.5 | 600 | 300 | 0.70 | 0.70 |
| | 3000 | 2.0 | 600 | 300 | 0.40 | 0.40 |
| | 3750 | 2.5 | 600 | 300 | 0.30 | 0.30 |
| | 4000 | 2.7 | 600 | 300 | 0.30 | 0.30 |

Notes to table:

1. Wind load shall be determined in accordance with AS/NZS 1170.2-2011.
2. Tophats and stud framing shall be designed in accordance with AS/NZS 4600:2018.
3. Fixing between cladding panel and Z angle to be 10-16 x 16mm pan head screw.
4. Fixing between Z angle and tophat to be 10-16 x 16mm hex head screw.
5. Serviceability limit pressure is for a maximum panel deflection of span/50.