



**ALL WEATHER  
INSULATED PANELS**

**40" Wide Exterior Wall Panel Allowable Loads (PSF)**

| Panel Thickness | Span Condition      | Fastening Pattern | Panel Span (ft) |    |    |    |    |    |    |    |    |
|-----------------|---------------------|-------------------|-----------------|----|----|----|----|----|----|----|----|
|                 |                     |                   | 5               | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 |
| 2"              | Single Span         | FS-A              | 48              | 40 | 34 | 30 | 25 | 20 | 16 | 13 | 11 |
|                 |                     | FS-B              | 56              | 47 | 40 | 32 | 25 | 20 | 16 | 13 | 11 |
|                 |                     | FS-C              | 56              | 47 | 40 | 32 | 25 | 20 | 16 | 13 | 11 |
|                 |                     | FS-D              | 56              | 47 | 40 | 32 | 25 | 20 | 16 | 13 | 11 |
|                 |                     | FS-E              | 56              | 47 | 40 | 32 | 25 | 20 | 16 | 13 | 11 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 11 |
|                 | Two Spans           | FS-A              | 48              | 40 | 34 | 29 | 26 | 23 | 21 | 19 | 16 |
|                 |                     | FS-B              | 50              | 41 | 34 | 29 | 26 | 23 | 21 | 19 | 16 |
|                 |                     | FS-C              | 50              | 41 | 34 | 29 | 26 | 23 | 21 | 19 | 16 |
|                 |                     | FS-D              | 50              | 41 | 34 | 29 | 26 | 23 | 21 | 19 | 16 |
|                 |                     | FS-E              | 50              | 41 | 34 | 29 | 26 | 23 | 21 | 19 | 16 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
|                 | Three or More Spans | FS-A              | 48              | 40 | 34 | 30 | 26 | 23 | 21 | 19 | 16 |
|                 |                     | FS-B              | 49              | 40 | 34 | 30 | 26 | 23 | 21 | 19 | 16 |
|                 |                     | FS-C              | 49              | 40 | 34 | 30 | 26 | 23 | 21 | 19 | 16 |
|                 |                     | FS-D              | 49              | 40 | 34 | 30 | 26 | 23 | 21 | 19 | 16 |
|                 |                     | FS-E              | 49              | 40 | 34 | 30 | 26 | 23 | 21 | 19 | 16 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
| 2.5"            | Single Span         | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 19 | 16 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 29 | 23 | 19 | 16 |
|                 |                     | FS-C              | 70              | 59 | 50 | 44 | 35 | 29 | 23 | 19 | 16 |
|                 |                     | FS-D              | 70              | 59 | 50 | 44 | 35 | 29 | 23 | 19 | 16 |
|                 |                     | FS-E              | 70              | 59 | 50 | 44 | 35 | 29 | 23 | 19 | 16 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
|                 | Two Spans           | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 37 | 33 | 29 | 26 | 24 | 22 |
|                 |                     | FS-C              | 63              | 52 | 43 | 37 | 33 | 29 | 26 | 24 | 22 |
|                 |                     | FS-D              | 63              | 52 | 43 | 37 | 33 | 29 | 26 | 24 | 22 |
|                 |                     | FS-E              | 63              | 52 | 43 | 37 | 33 | 29 | 26 | 24 | 22 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
|                 | Three or More Spans | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 37 | 33 | 30 | 27 | 24 | 22 |
|                 |                     | FS-C              | 62              | 51 | 43 | 37 | 33 | 30 | 27 | 24 | 22 |
|                 |                     | FS-D              | 62              | 51 | 43 | 37 | 33 | 30 | 27 | 24 | 22 |
|                 |                     | FS-E              | 62              | 51 | 43 | 37 | 33 | 30 | 27 | 24 | 22 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
| 3"              | Single Span         | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 22 |
|                 |                     | FS-C              | 85              | 71 | 60 | 53 | 46 | 38 | 31 | 26 | 22 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 31 | 26 | 22 |
|                 |                     | FS-E              | 85              | 71 | 60 | 53 | 46 | 38 | 31 | 26 | 22 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
|                 | Two Spans           | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 23 |
|                 |                     | FS-C              | 77              | 63 | 53 | 46 | 40 | 36 | 32 | 29 | 27 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 32 | 29 | 27 |
|                 |                     | FS-E              | 77              | 63 | 53 | 46 | 40 | 36 | 32 | 29 | 27 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
|                 | Three or More Spans | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 23 |
|                 |                     | FS-C              | 75              | 62 | 52 | 45 | 40 | 36 | 32 | 30 | 27 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 32 | 30 | 27 |
|                 |                     | FS-E              | 75              | 62 | 52 | 45 | 40 | 36 | 32 | 30 | 27 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |

| Panel Thickness | Span Condition      | Fastening Pattern | Panel Span (ft) |    |    |    |    |    |    |    |    |
|-----------------|---------------------|-------------------|-----------------|----|----|----|----|----|----|----|----|
|                 |                     |                   | 5               | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 |
| 4"              | Single Span         | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 23 |
|                 |                     | FS-C              | 85              | 71 | 61 | 53 | 47 | 42 | 37 | 32 | 28 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 33 | 30 | 28 |
|                 |                     | FS-E              | 97              | 81 | 69 | 61 | 52 | 44 | 37 | 32 | 28 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
|                 | Two Spans           | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 23 |
|                 |                     | FS-C              | 85              | 71 | 61 | 53 | 47 | 42 | 38 | 35 | 32 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 33 | 30 | 28 |
|                 |                     | FS-E              | 97              | 81 | 69 | 61 | 54 | 48 | 43 | 38 | 34 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
|                 | Three or More Spans | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 23 |
|                 |                     | FS-C              | 85              | 71 | 61 | 53 | 47 | 42 | 38 | 35 | 32 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 33 | 30 | 28 |
|                 |                     | FS-E              | 97              | 81 | 69 | 61 | 54 | 48 | 43 | 38 | 34 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
| 5"              | Single Span         | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 23 |
|                 |                     | FS-C              | 85              | 71 | 61 | 53 | 47 | 42 | 38 | 35 | 32 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 33 | 30 | 28 |
|                 |                     | FS-E              | 97              | 81 | 69 | 61 | 54 | 48 | 44 | 40 | 37 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
|                 | Two Spans           | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 23 |
|                 |                     | FS-C              | 85              | 71 | 61 | 53 | 47 | 42 | 38 | 35 | 32 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 33 | 30 | 28 |
|                 |                     | FS-E              | 97              | 81 | 69 | 61 | 54 | 48 | 44 | 40 | 37 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
|                 | Three or More Spans | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 23 |
|                 |                     | FS-C              | 85              | 71 | 61 | 53 | 47 | 42 | 38 | 35 | 32 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 33 | 30 | 28 |
|                 |                     | FS-E              | 97              | 81 | 69 | 61 | 54 | 48 | 44 | 40 | 37 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
| 6"              | Single Span         | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 23 |
|                 |                     | FS-C              | 85              | 71 | 61 | 53 | 47 | 42 | 38 | 35 | 32 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 33 | 30 | 28 |
|                 |                     | FS-E              | 97              | 81 | 69 | 61 | 54 | 48 | 44 | 40 | 37 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
|                 | Two Spans           | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 23 |
|                 |                     | FS-C              | 85              | 71 | 61 | 53 | 47 | 42 | 38 | 35 | 32 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 33 | 30 | 28 |
|                 |                     | FS-E              | 97              | 81 | 69 | 61 | 54 | 48 | 44 | 40 | 37 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |
|                 | Three or More Spans | FS-A              | 48              | 40 | 34 | 30 | 27 | 24 | 22 | 20 | 18 |
|                 |                     | FS-B              | 60              | 50 | 43 | 38 | 33 | 30 | 27 | 25 | 23 |
|                 |                     | FS-C              | 85              | 71 | 61 | 53 | 47 | 42 | 38 | 35 | 32 |
|                 |                     | FS-D              | 73              | 61 | 52 | 45 | 40 | 36 | 33 | 30 | 28 |
|                 |                     | FS-E              | 97              | 81 | 69 | 61 | 54 | 48 | 44 | 40 | 37 |
|                 |                     | FS-F              | 32              | 27 | 23 | 20 | 18 | 16 | 14 | 13 | 12 |

Notes:

- Spans shown are based on transverse load testing per ASTM-E72 and strength of fastening patterns.  
Fastening is based on Tek 3 fasteners installed on minimum 16 gauge girts.
- Spans calculated with 26 gauge exterior and interior facings.
- Deflection Limit: L/180
- Safety factor = 2.5 for buckling, 3.0 for shear, 3.0 for fastening
- FS-A = WC-01 Wall Clip with (3) fasteners, FS-F = WC-01 with (2) fasteners
- FS-B = WC-01 with (3) fasteners + (1) Fablok
- FS-C = WC-01 with (3) fasteners + (3) Fablok
- FS-D = WC-01 with (3) fasteners + (2) Fablok
- FS-E = WC-01 with (3) fasteners + (4) Fablok
- Thermal effect due to temperature differentials have not been considered.
- For FiRe Panel, use load-span values for 4" wall. FiRe Panel weight is 5.5 PSF.
- Consult your AWIP representative for project specific requirements.
- Consult your AWIP representative for FM Global Loss Prevention Data Sheet 1-28 requirements.