

# INSULATED WALL PANEL

## FLUTED PROFILE

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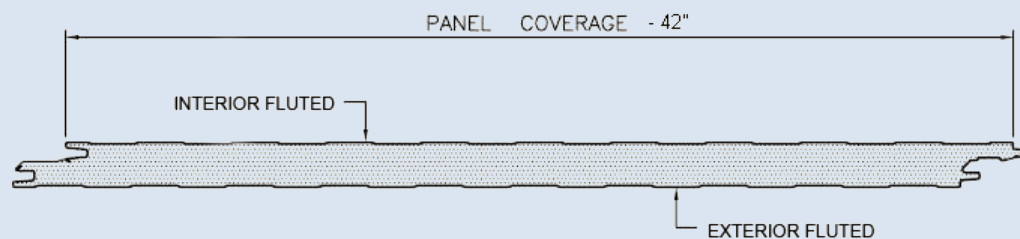
Fluted profile wall panels are ideal for commercial and industrial applications. The wide panels install quickly and easily. Fasteners are concealed within the panel side joint and the attractive profile breaks up the flat expanse of metal on large projects such as manufacturing plants or warehouses.



### FEATURES AND BENEFITS

- The double tongue and groove is self aligning, weather tight and allows for sealant application at either the interior or exterior side of the panel joinery depending on the direction of the vapor drive.
- Hidden/concealed fasteners give the panel a clean, aesthetically appealing appearance.
- Removable film prevents damage to the exterior of the panel during shipping and installation.
- This panel arrives on site in one piece and requires one simple step installation reducing construction time and costs.
- Standard exterior and interior steel surface is 26 gauge.

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### Tests/Approvals

|  |                  |
|--|------------------|
| <b>Thermal Resistance</b>                                  | <b>ASTM C518</b> |
| <i>Determines panel insulating properties</i>              |                  |
| <b>Air Leakage</b>   | <b>ASTM E283</b> |
| <i>Measures air leakage through panel joints</i>           |                  |
| <b>Water Penetration</b>                                   | <b>ASTM E331</b> |
| <i>Measures water penetration through panel joints</i>     |                  |
| <b>Fire Rating</b>   | <b>FM 4880</b>   |
| <i>Class1 Fire Rating approval for wall and ceiling</i>    |                  |
| <b>Structural</b>  | <b>ASTM E72</b>  |
| <i>Panels withstand positive &amp; negative wind loads</i> |                  |



### PRODUCT INFORMATION

|                             |  |
|-----------------------------|--|
| <b>Panel Thickness:</b>     | 2"    2.5"    3"    4"   |
| <b>Insulating R-Values:</b> | 15.4    20    23.1    31   |
| <b>Panel Width:</b>         | 42"  |
| <b>Panel Length:</b>        | 8'0" minimum to 56'0" maximum                                    |
| <b>Application:</b>         | Vertical   |
| <b>Insulation Material:</b> | Polyisocyanurate   |
| <b>Joint Configuration:</b> | Off-set tongue and groove with concealed fastener                |
| <b>Standard Gauge:</b>      | Exterior 26 ga.    Interior 26 ga.                               |
| <b>Exterior Coating:</b>    | PVDF (Kynar/Hylar) "Cool" is standard                            |
| <b>Exterior Colors:</b>     | Regal White, Light Stone, Surrey Beige, Pearl Gray               |
| <b>Interior Coating:</b>    | Polyester - White  |
| <b>Exterior Finish:</b>     | Smooth – No Emboss   |
| <b>Interior Finish:</b>     | Light Emboss   |
| <b>Accessories:</b>         | Fasteners, concealed fastener clip, sealants, trims and flashing |
| <b>Trim Finish:</b>         | Smooth   |

## INSULATED WALL PANELS

| STRUCTURAL - LOAD TABLE                                |           |           |    |    |    |    |    |    |    |    |    |    |
|--|-----------|-----------|----|----|----|----|----|----|----|----|----|----|
| MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED PRESSURE (psf) |           |           |    |    |    |    |    |    |    |    |    |    |
|  | THICKNESS | Span (ft) |    |    |    |    |    |    |    |    |    |    |
|  |           | 5         | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 |
| GAUGE<br>26/26   | 2"        | 56        | 50 | 42 | 35 | 30 | 25 | 22 | 19 | 17 | 14 | 12 |
|  | 2.5"      | 70        | 57 | 48 | 41 | 35 | 31 | 28 | 24 | 21 | 18 | 16 |
|  | 3"        | 75        | 62 | 54 | 46 | 40 | 35 | 33 | 31 | 28 | 25 | 22 |
|  | 4"        | 89        | 73 | 62 | 53 | 47 | 41 | 39 | 37 | 33 | 30 | 28 |

- Notes :**
1. Interior and exterior steel sheets are fabricated from Grade 33 steel with a minimum nominal core thickness of 0.018"
  2. Table based on maximum deflection of L/180.
  3. Connections have not been considered in the load table.
  4. Thermal load has not been considered.
  5. Table is based on a multi-span condition of equal span lengths.