IMPs: The Self-Storage Solution

There are nearly 50,000 self-storage units in the United States, accounting for almost 10 percent of U.S. households that store their belongings in a personal unit.

Most self-storage facilities are moving toward purely climate-controlled units to protect their customers’ contents from extreme heat in the summer and extreme cold in the winter. Finding a product to accommodate this requirement, while also serving as a moisture barrier, can be daunting.

Metl-Span® insulated metal panels (IMPs) rise to the occasion. Specifically designed to meet today’s continuous installation code needs, Metl-Span IMPs achieve an unprecedented R-value to appease climate-controlled building needs and are compatible with many different structural systems commonly used in self-storage building design.

For more information on how Metl-Span insulated metal wall systems can impact your next self-storage facility, visit metlspan.com/performance. To discuss requirements and options for your next project, call 877.585.9969.

Metl-Span IMP Benefits:

- **Ease of Installation** – IMPs can be installed in virtually any weather condition, fast-tracking the construction process without unnecessary spending and downtime during harsh weather to get your facility up and running quickly.

- **Superior Thermal Insulation** – With the highest R-value per inch of any commercial product, Metl-Span IMPs enable self-storage facilities to maintain the proper temperature within air-conditioned units to keep products at optimal conditions.

- **Moisture Barrier** – Wall panels have a specifically formed barrier-side joint that permits the hidden application of sealant within recessed grooves, creating an impenetrable water and vapor seal protecting storage units and their contents from the elements.

- **Aesthetic Advantages** – An evolving array of custom color palettes meet the needs of corporate branding requirements. Multiple profiles are available in a wide range of price points—including masonry-textured surfaces—to meet the various aesthetic requirements of local planning boards.

- **Use IMPs Behind Any Façade** – MetlSpan HCPI back-up panels allow you to protect your self-storage facility from air, water and thermal vapor and can be used behind any type of façade.
### CF Tuff Wall

**PRODUCT SPECIFICATIONS**

**WIDTH:** 36", 42"

**THICKNESS:** 2", 2.5", 3", 4", 5", 6"n

**LENGTH:** 8’-0" TO 32’-0" for horizontal textured 8’-0" TO 40’-0" for vertical textured

**EXTERIOR PROFILE:** Factory-applied Tuff Cote® system textured finish similar to stucco.

**U-FACTORS AND R-VALUES**

<table>
<thead>
<tr>
<th>Width</th>
<th>75°</th>
<th>2&quot;</th>
<th>0.0669</th>
<th>42&quot;</th>
<th>75°</th>
<th>2&quot;</th>
<th>14.95</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2.5&quot;</td>
<td>0.0500</td>
<td></td>
<td>4&quot;</td>
<td>0.0307</td>
<td>32.57</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3&quot;</td>
<td>0.0400</td>
<td></td>
<td>5&quot;</td>
<td>0.0264</td>
<td>37.88</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4&quot;</td>
<td>0.0324</td>
<td></td>
<td>6&quot;</td>
<td>0.0224</td>
<td>44.64</td>
</tr>
</tbody>
</table>

For more product specifications and additional profile options, visit metlspan.com.

---

### CF Mesa

**PRODUCT SPECIFICATIONS**

**WIDTH:** 30", 36", 42"

**THICKNESS:** 2", 2.5", 3", 4", 5", 6"

**LENGTH:** 8’-0" TO 16’-0" for horizontal embossed 8’-0" TO 40’-0" for vertical embossed

**EXTERIOR PROFILE:** Longitudinal corrugations spaced at nominal 4” on center, nominal 1/8” deep, embossed or unembossed

**U-FACTORS AND R-VALUES**

<table>
<thead>
<tr>
<th>Width</th>
<th>75°</th>
<th>3&quot;</th>
<th>0.0814</th>
<th>42&quot;</th>
<th>75°</th>
<th>3&quot;</th>
<th>12.29</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>4&quot;</td>
<td>0.0537</td>
<td></td>
<td>5&quot;</td>
<td>0.0395</td>
<td>25.32</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6&quot;</td>
<td>0.0314</td>
<td></td>
<td>6&quot;</td>
<td>0.0314</td>
<td>31.85</td>
</tr>
</tbody>
</table>

---

### CF Striated

**PRODUCT SPECIFICATIONS**

**WIDTH:** 24", 30", 36", 42"

**THICKNESS:** 2", 2.5", 2.75", 3", 4"

**LENGTH:** 8’-0" TO 24’-0" for 24", 30” and 36” vertical embossed 8’-0" TO 32’-0" for 42” vertical embossed 8’-0" TO 16’-0" vertical embossed

**EXTERIOR PROFILE:** Longitudinal striations, nominal 1/32” deep embossed or unembossed

**U-FACTORS AND R-VALUES**

<table>
<thead>
<tr>
<th>Width</th>
<th>75°</th>
<th>2&quot;</th>
<th>0.0706</th>
<th>42&quot;</th>
<th>75°</th>
<th>2&quot;</th>
<th>14.16</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2.5&quot;</td>
<td>0.0516</td>
<td></td>
<td>3&quot;</td>
<td>0.0424</td>
<td>23.58</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3&quot;</td>
<td>0.0491</td>
<td></td>
<td>4&quot;</td>
<td>0.0324</td>
<td>30.86</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4&quot;</td>
<td>0.0324</td>
<td></td>
<td>5&quot;</td>
<td>0.0264</td>
<td>37.88</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5&quot;</td>
<td>0.0281</td>
<td></td>
<td>6&quot;</td>
<td>0.0224</td>
<td>44.64</td>
</tr>
</tbody>
</table>

---

### CF 7.2 Insul-Rib

**PRODUCT SPECIFICATIONS**

**WIDTH:** Nominal 36”

**THICKNESS:** 3", 4", 5", 6" Rib height included in thickness

**LENGTH:** 8’-0" TO 32’-0" for horizontal 8’-0" TO 40’-0" for vertical

**EXTERIOR PROFILE:** 7.2” on center rib pattern, 1 ½” tall, embossed or unembossed

**U-FACTORS AND R-VALUES**

<table>
<thead>
<tr>
<th>Width</th>
<th>75°</th>
<th>3&quot;</th>
<th>0.0814</th>
<th>42&quot;</th>
<th>75°</th>
<th>3&quot;</th>
<th>12.29</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>4&quot;</td>
<td>0.0537</td>
<td></td>
<td>5&quot;</td>
<td>0.0395</td>
<td>25.32</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6&quot;</td>
<td>0.0314</td>
<td></td>
<td>6&quot;</td>
<td>0.0314</td>
<td>31.85</td>
</tr>
</tbody>
</table>

---

1. 5” and 6” CF Tuff-Cast and Tuff Wall available with Mesa, nominal 1/8” deep profile only.
2. K-Factor calculations: BTU in/ft²-hr. ºF
3. Based on ASTM C518, ASTM C1363 and thermal modeling, 75º F core mean temp.
4. Not available in unembossed.
5. Available only from Nevada plant.