



# 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.

## 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.

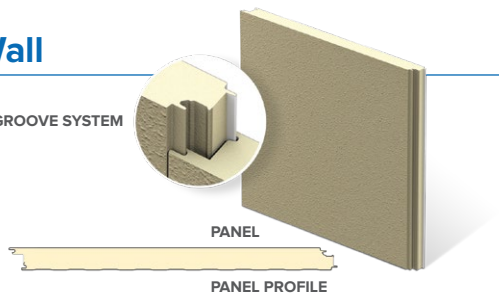
**Use IMPs Behind Any Façade** – Metl-Span HCPI back-up panels allow you to protect your self-storage facility from air, water and thermal vapor and can be used behind any type of façade.

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



## CF Tuff Wall

LOCK & GROOVE SYSTEM



### PRODUCT SPECIFICATIONS

**WIDTH:** 36", 42"

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

**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<sup>3</sup>

#### U-FACTOR (BTU/h·ft<sup>2</sup>·F°)

PANEL WIDTH: 42"

	75°
2"	0.0669
2.5"	0.0500
3"	0.0400
4"	0.0307
5"	0.0264
6"	0.0224

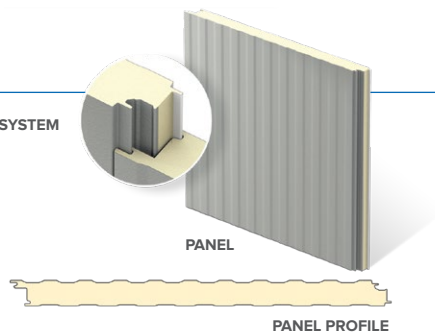
#### R-VALUE (h·ft<sup>2</sup>·F°/BTU)

PANEL WIDTH: 42"

	75°
2"	14.95
2.5"	20.00
3"	25.00
4"	32.57
5"	37.88
6"	44.64

## CF Mesa

LOCK & GROOVE SYSTEM



### PRODUCT SPECIFICATIONS

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

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

**LENGTH:** 8'-0" TO 32'-0" for horizontal embossed  
8'-0" TO 16'-0" for horizontal unembossed  
8'-0" TO 52'-0" for vertical embossed  
8'-0" TO 40'-0" for vertical unembossed

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

### U-FACTORS AND R-VALUES<sup>3</sup>

#### U-FACTOR (BTU/h·ft<sup>2</sup>·F°)

PANEL WIDTH: 42"

	75°	40°
2"	0.0706	0.0669
2.5"	0.0516	0.0491
3"	0.0424	0.0401
4"	0.0324	0.0305
5"	0.0264	0.0248
6"	0.0224	0.0210

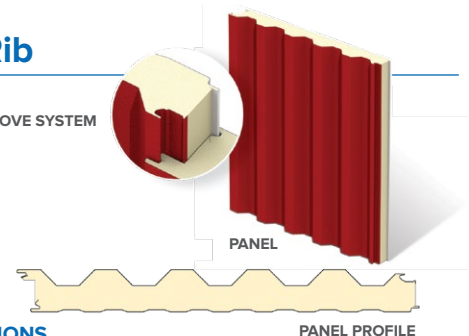
#### R-VALUE (h·ft<sup>2</sup>·F°/BTU)

PANEL WIDTH: 42"

	75°	40°
2"	14.16	14.95
2.5"	19.38	20.37
3"	23.58	24.94
4"	30.86	32.79
5"	37.88	40.32
6"	44.64	47.62

## CF 7.2 Insul-Rib

LOCK & GROOVE SYSTEM



### 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 1/2" tall, embossed or unembossed

### U-FACTORS AND R-VALUES<sup>3</sup>

#### U-FACTOR (BTU/h·ft<sup>2</sup>·F°)

PANEL WIDTH: 36"

	75°
3"	0.0814
4"	0.0537
5"	0.0395
6"	0.0314

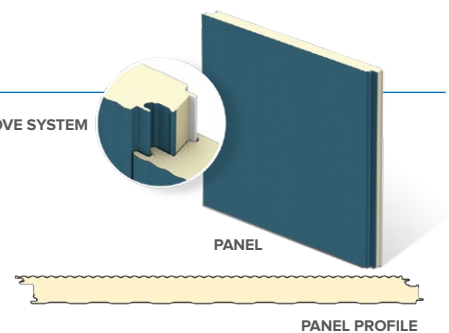
#### R-VALUE (h·ft<sup>2</sup>·F°/BTU)

PANEL WIDTH: 36"

	75°
3"	12.29
4"	18.62
5"	25.32
6"	31.85

## CF Striated

LOCK & GROOVE SYSTEM



### PRODUCT SPECIFICATIONS

**WIDTH:** 24"<sup>5</sup>, 30", 36", 42"

**THICKNESS:** 2", 2.5", 2.75"<sup>5</sup>, 3", 4"

**LENGTH:** 8'-0" TO 32'-0" horizontal embossed  
8'-0" TO 16'-0" horizontal unembossed  
8'-0" TO 40'-0" for 24", 30" and 36" vertical embossed  
8'-0" TO 32'-0" for 42" vertical embossed  
8'-0" TO 16'-0" vertical unembossed

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

### U-FACTORS AND R-VALUES<sup>3</sup>

#### U-FACTOR (BTU/h·ft<sup>2</sup>·F°)

PANEL WIDTH: 42"

	75°
2"	0.0706
2.5"	0.0516
2.75"	0.0470
3"	0.0424
4"	0.0324

#### R-VALUE (h·ft<sup>2</sup>·F°/BTU)

PANEL WIDTH: 42"

	75°
2"	14.16
2.5"	19.38
2.75"	21.28
3"	23.58
4"	30.86

<sup>1</sup> 5" and 6" CF Tuff-Cast and Tuff Wall available with Mesa, nominal 1/8" deep profile only. <sup>2</sup> K-Factor calculations: BTU in/ft<sup>2</sup>·hr. °F

<sup>3</sup> Based on ASTM C518, ASTM C1363 and thermal modeling, 75° F core mean temp. <sup>4</sup> Not available in unembossed. <sup>5</sup> Available only from Nevada plant