IMPs Help Aviation Projects Take Off

Airlines are continually looking for ways to increase the size of their aircraft in order to add more seats since more seats equals more revenue.

With the global aircraft hangar market expected to reach a revenue of nearly $7 billion by 2022 and larger planes like the Airbus A380 and Boeing B747-8 being introduced to the industry, outdated and undersized hangars are requiring retrofits.

Passengers also want to board planes with the assurance that the aircraft has been stored in a secure, weathertight facility, without exposure to any harmful elemental forces.

Metl-Span® insulated metal panels (IMPs) provide the ideal insulating materials to equip an airport with efficient and reliable aircraft hangars and can ensure an economical retrofit process when the hangars require an update to accommodate the growing number of larger planes.

Metl-Span IMP Benefits:

Retrofitting on Schedule – As aircrafts become bigger, so do the hangars that house them. Larger hangars are now a necessity for airlines to keep pace in a competitive industry, making a quick construction process a crucial factor for their business. Metl-Span IMPs are lightweight, yet strong and durable, and feature one-piece construction to fast-track your next airport retrofit project. Metl-Span IMPs can also be installed in any climate.

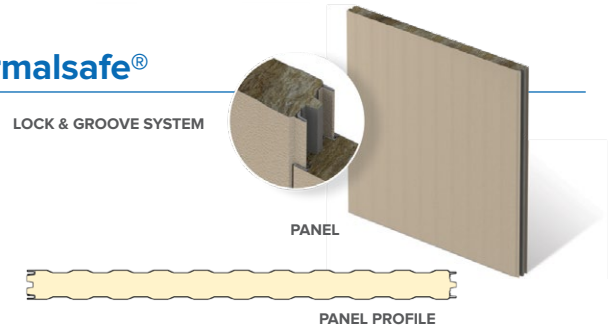
Aviation Insulation – The increase in the space required for hangars makes it critical to specify the proper building materials. Ideal insulation inside the hangar leads to decreased heating, cooling and operating costs. Metl-Span IMPs feature impermeable faces and built-in thermal breaks – along with a Class 1 polyurethane core – to provide superior insulating value.

First Class Aesthetics – A traveler's first impression upon arriving at a new location is often the airport. From the terminals and gates to the air traffic control tower and hangars, airports across the country strive to make their facilities attractive and welcoming destinations. Metl-Span IMPs are available in a wide range of beautiful colors and finishes to match any aesthetic and serve as a warm welcome to incoming travelers.

For more information on how Metl-Span insulated metal wall systems can impact your next aviation project, visit **www.metlspan.com/markets/aviation**. To discuss requirements and options for your next project, call **877.585.9969**.

METL SPAN®

Thermalsafe®



PRODUCT SPECIFICATIONS

WIDTH: 42"

THICKNESS: NOMINAL 3"[1], 4", 5", 6", 7", 8"

LENGTH: 8'-0" to 40'-0", variable by thickness; contact Metl-Span for exact maximum length for each thickness

EXTERIOR PROFILE: Ultra-Light Mesa or Light Striated, nominal 1/32" deep, embossed or Santa Fe, with heavy embossing

FIRE RATINGS: One-, two-, and three-hour for wall. 90 minute for ceiling

U-FACTOR[2] (BTU/h•ft²•F°)

PANEL WIDTH: 36"

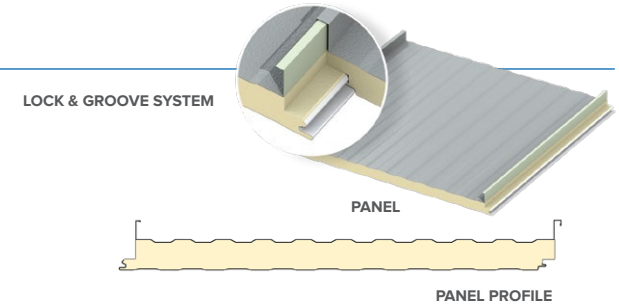
	75°
3"	0.0923
4"	0.0654
5"	0.0529
6"	0.0444
7"	0.0383
8"	0.0336

R-VALUE[2] (h•ft²•F°/BTU)

PANEL WIDTH: 36"

	75°
3"	10.83
4"	15.29
5"	18.90
6"	22.51
7"	26.12
8"	29.73

CFR



PRODUCT SPECIFICATIONS

WIDTH: 30"[4], 36", 42"

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

LENGTH: 9'-6" TO 53'-0"; contact Metl-Span for custom length availability

EXTERIOR PROFILE: 2" high standing seam with a Mesa profile between the seams, embossed

U-FACTOR[2] (BTU/h•ft²•F°)

PANEL WIDTH: 42"

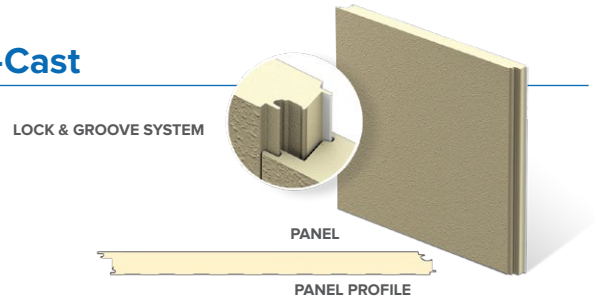
	75°
2"	0.0600
2.5"	0.0490
3"	0.0414
4"	0.0318
5"	0.0257
6"	0.0217

R-VALUE[2] (h•ft²•F°/BTU)

PANEL WIDTH: 42"

	75°
2"	16.67
2.5"	20.41
3"	24.15
4"	31.45
5"	38.91
6"	46.08

Tuff-Cast



PRODUCT SPECIFICATIONS

WIDTH: 36", 42"

THICKNESS: 2", 2.5", 3", 4", 5"[3], 6"[3]

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 precast concrete.

U-FACTOR[2] (BTU/h•ft²•F°)

PANEL WIDTH: 42"

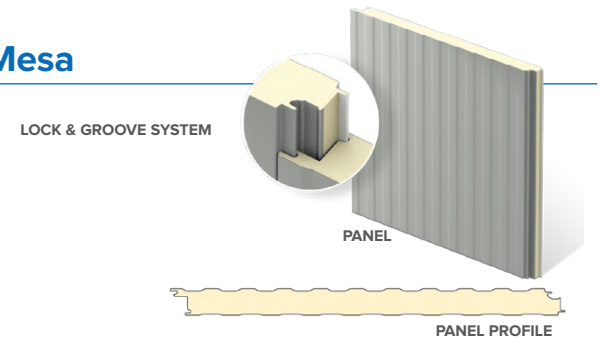
	75°
2"	0.0669
2.5"	0.0500
3"	0.0400
4"	0.0307
5"	0.0264
6"	0.0224

R-VALUE[2] (h•ft²•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



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-FACTOR[2] (BTU/h•ft²•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[2] (h•ft²•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

[1]No hourly rating available. [2]Based on ASTM C518, ASTM C1363 and thermal modeling, 75° F core mean temp. [3]5" and 6" CF Tuff-Cast and Tuff Wall available with Mesa, nominal 1/8" deep profile only. [4]Available only from Texas plant.

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