



Insulated FRP Panels HIP-45

PRODUCT SPECIFICATIONS

WIDTH

- 40"

THICKNESS

- 2", 2½", 3", 4", 5", 6"

LENGTH

- 2'-0" to 30'-0"

STEEL GAUGE

- 24 ga, 26 ga

FRP THICKNESS

- 0.090"

JOINT

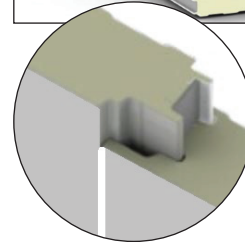
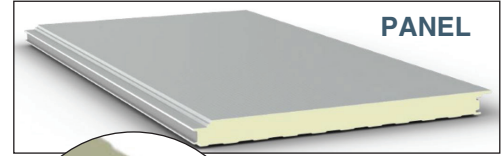
- Double tongue-and-groove with the ability for concealed face fastening

U-FACTORS AND R-VALUES*

PANEL THICKNESS	U-FACTOR (BTU/h-ft ² ·°F)
2"	0.063
2½"	0.053
3"	0.043
4"	0.032
5"	0.026
6"	0.021

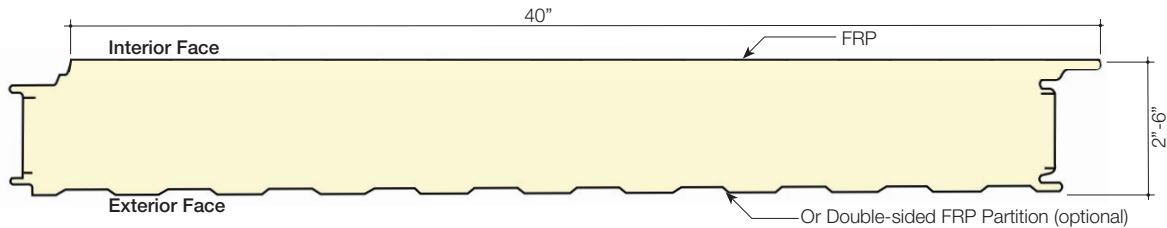
PANEL THICKNESS	R-VALUE (h-ft ² ·°F/BTU)
2"	15.2
2½"	19.0
3"	22.8
4"	30.4
5"	38.0
6"	45.5

*At 40°



PANEL JOINT

PANEL PROFILE



Introducing HIP Panels, specifically designed and developed to meet USDA and CFIA mandates. HIP-45 FRP-faced Insulated Panels are an excellent wall or ceiling material choice in food manufacturing and processing facilities, or in any space where surface durability and high performance are desired.

FRP SPECIFICATIONS (0.090")

PROPERTY	VALUE	TEST METHOD
FLEXURAL STRENGTH	10,000 psi	ASTM D-790
FLEXURAL MODULUS	3.1 x 10 ⁵ psi	ASTM D-790
TENSILE STRENGTH	7,000 psi	ASTM D-638
TENSILE MODULUS	3.1 x 10 ⁵ psi	ASTM D-638
% ELONGATION	1.20%	ASTM D-638
BARCOL HARDNESS	30	ASTM D-2583
IZOD IMPACT STRENGTH	7 ft-lb/in notched	ASTM D-256
COEF. OF LINEAR THERMAL EXPANSION	2.22 x 10 ⁻⁵ in./in./°F	ASTM D-696
TABER ABRASION RESISTANCE (cs-17 wheels, 1000 g. Wt, 25 cycles)	0.29% Max Wt. Loss	Taber Test

Descriptions and specifications contained herein were in effect at the time this publication was approved for distribution. In a continuing effort to refine and improve products, HIP Panel Co. reserves the right to change specifications without incurring obligation. To ensure the latest information available, please inquire or visit our website at www.hip-panel.com.