

# IMPower Series™ Insulated Metal Panels

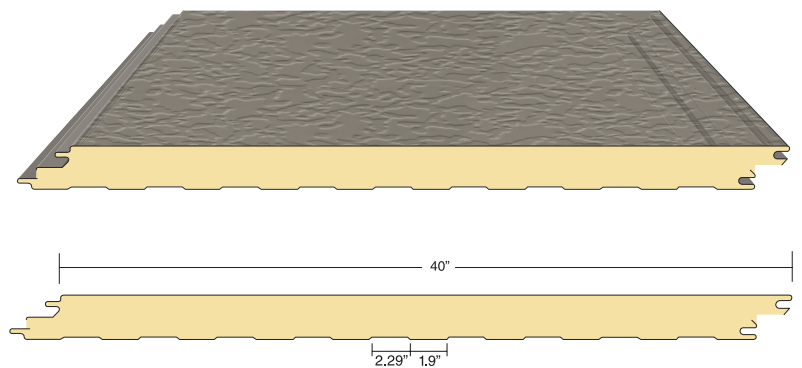
## HE40 Heavy Embossed Wall System

The textural quality of this Heavy Embossed profile adds a distinctive character to the exterior walls of industrial and commercial buildings. The heavy embossing also adds to the panel's surface rigidity.

### SYSTEM HIGHLIGHTS

- ▶ Achieves a continuous air barrier and continuous insulation up to R-32\*
- ▶ Concealed fasteners produce clean aesthetic and virtually eliminate thermal bridging
- ▶ Weathertight double tongue and groove joinery may be sealed on either side of joint depending on direction of vapor drive
- ▶ Factory Mutual approved for fire and wind resistance
- ▶ Panel can be field sprayed with a textured or stucco-style elastomeric coating to create more dimensional character.
- ▶ Installs vertically or horizontally onto open structural steel
- ▶ Available in seven highly durable stocked colors, designed for long term weathering performance

\*Contingent on panel thickness



**ms metal sales™**  
manufacturing corporation

metalsales.us.com 800.406.7387

# IMPower Series™ Insulated Metal Panels

## HE40 Heavy Embossed Wall System

### SIMPLY SUSTAINABLE

- ▶ Made from minimum 30% recycled steel
- ▶ Steel facings and insulation core 100% recyclable
- ▶ No CFCs (Chlorofluorocarbons)
- ▶ No VOCs (Volatile Organic Compounds)
- ▶ No ODPs (Ozone Depleting Potential)
- ▶ Meets EPA blowing agent requirements for the reduction of global warming potential
- ▶ SRI Values that meet steep and/or low-slope requirements for ENERGY STAR® and LEED®

### TESTING/APPROVALS

<b>Thermal Resistance</b>	<b>ASTM C 518 / C 1363</b>
<b>Structural Strength</b>	<b>ASTM E 72</b>
<b>Fire Rating - Class 1 IMP Walls and Ceilings</b>	<b>FM 4880</b>
<b>Fire Rating - Class 1 Exterior Wall</b>	<b>FM 4881</b>
<b>Flame Spread</b>	<b>ASTM E 84</b>
<b>Air Leakage (0.01 cfm @ 12 psf)</b>	<b>ASTM E 283</b>
<b>Water Penetration - None</b>	<b>ASTM E 331</b>
<b>Air / Water Infiltration</b>	<b>AAMA 501.1</b>
<b>Florida Building Code</b>	<b>Approved</b>

### PANEL CHARACTERISTICS

Panel Thickness:	2"	2.5"	3"	4"
Insulating Value:	R-16	R-20	R-24	R-32
Panel Width:	40"			
Panel Length:	8'-0" minimum – 40'-0" maximum*			
Application:	Vertical and horizontal wall			
Insulation Material:	Factory-foamed polyisocyanurate (2.1 to 2.5 pcf density)			
Joint Configuration:	Off-set tongue and groove with concealed fastener			
Exterior Gauge:	26 ga. galvanized steel standard, 24 ga. optional			
Interior Gauge:	26 ga. standard			
Exterior Coating:	PVDF and SMP			
Exterior Colors:	Sandstone, Surrey Beige, Regal White, Royal Blue, Natural Green, Pearl Gray, Imperial White Non-stock PVDF color options available			
Interior Color:	Imperial White (SMP)			
Exterior Finish:	Heavy Embossed			
Interior Finish:	Light Embossed			
Accessories:	Fasteners, concealed fastened clip, sealants, trims and flashing			

\*May be available in longer lengths. Contact Metal Sales for more information.

### STRUCTURAL LOAD TABLE – THREE OR MORE SPANS

PANEL THICKNESS	FASTENING PATTERN	SPAN (ft)									
		5	6	7	8	9	10	11	12	13	
3"  WEIGHT = 2.62 PSF	FS-A	48	40	34	30	27	24	22	20	18	
	FS-B	60	50	43	38	33	30	27	25	23	
	FS-C	75	62	52	45	40	36	32	30	27	
	FS-D	73	61	52	45	40	36	32	30	27	
	FS-E	75	62	52	45	40	36	32	30	27	
	FS-F	32	27	23	20	18	16	14	13	12	

#### Notes:

- Spans shown are based on transverse load testing per ASTM E 72 and strength of fastening patterns. Fastening is based on Tek 3 fasteners installed on minimum 16 gauge girts.
- Spans calculated with 26 gauge exterior and interior facings.
- Deflection Limit: L/180
- Safety factor = 2.5 for buckling, 3.0 for shear, 3.0 for fastening

- FS-A = WC-01 Wall Clip with (3) fasteners
- FS-B = WC-01 with (3) fasteners + (1) Fablok
- FS-C = WC-01 with (3) fasteners + (3) Fablok
- FS-D = WC-01 with (3) fasteners + (2) Fablok
- FS-E = WC-01 with (3) fasteners + (4) Fablok
- FS-F = WC-01 with (2) fasteners

Load data shown is contingent on panel thickness. Please consult your Metal Sales representative or visit [metalsales.us.com](http://metalsales.us.com) for more information.

Be inspired.



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