

IMPower Series™ Insulated Metal Panels

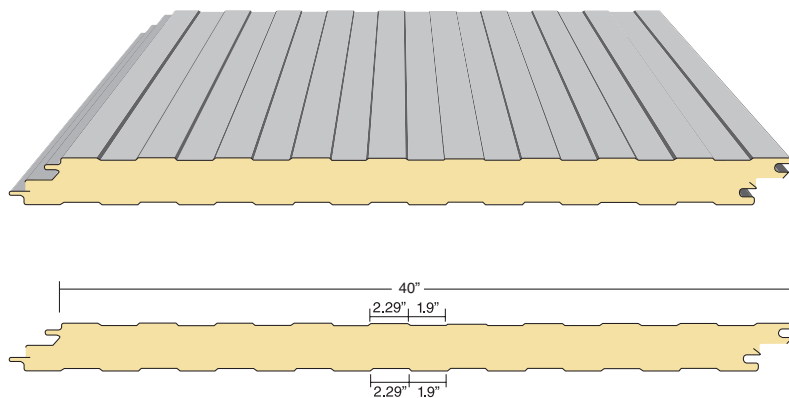
DM40 Double Mesa Wall System

Matching exterior and interior low linear mesa profiles make this panel particularly suited for thicker, long-length walls. Perfect for exterior/interior wall and ceiling applications on industrial buildings.

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
- ▶ 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

DM40 Double Mesa 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

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

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 – 50'-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, 22 ga. and 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:	Light 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 for more information.

Be inspired.



metalsales.us.com 800.406.7387

Printed in the U.S.A. © MS 1379 / 1-14

