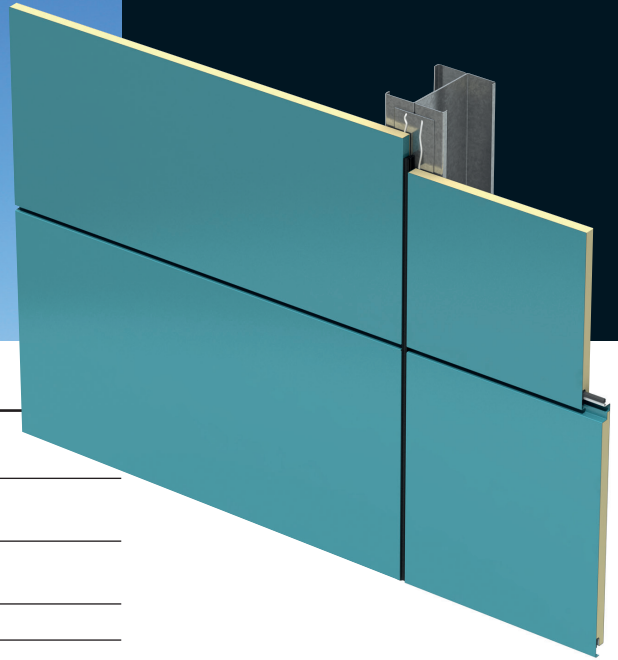


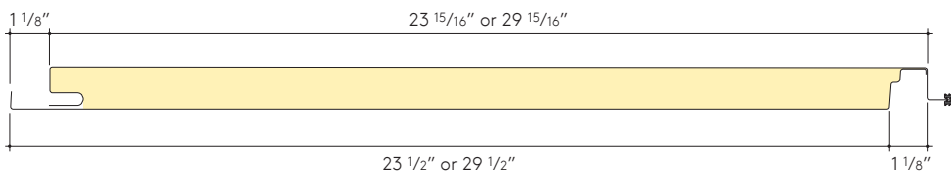
Designwall 1000 Data Sheet

Insulated Wall Panel System



Product Specification

Profile:	Exterior: Flat Interior: Flat
Embossing:	Exterior: Stucco, shadowline or non-embossed Interior: Stucco or non-embossed
Gauge:	Exterior: 22, 20 ga Interior: 24 ga
Width:	12" – 30"
Thickness:	1 1/8"
Length:	4" – 24' (18' for non-embossed)
Reveal options:	1/16" or 1/2"
Orientation:	Vertical or horizontal
Post fabrication:	Longitudinal bend, transverse bend, trimless ends, beveled edge, tapered edge, full wrap end, modified edge, curves along width, curves along length
R-value:	≈ 4
Production method:	Structurally bonded



A popular choice for new and retrofit projects, Designwall 1000 is value engineered with thermal and structural properties sufficient for many applications.

Designwall 1000 Data Sheet

Insulated Wall Panel System

Test	Procedure	Results
Flammability	ASTM E84	Flame spread - 25, smoke developed <195 (core only)
	NFPA 259	Tested for potential heat of building materials 11,281 BTU/lb
	NFPA 259	Self-Ignition: 950°F, minimum Flash Ignition: 950°F, minimum
Foam Specification	ASTM C591	Type IV, CFC and HCFC free. 2.0 pcf. density
Structural	ASTM E72	Vacuum chamber tested. Panel load /span and deflection tables are available
Thermal Transmission	Thermal Modeling Therm 5.2	With laminated Polyisocyanurate Core: R-4
Air Infiltration	ASTM E283	0.05 CFM/ft ² of panel area at 20 psf
Water Penetration	ASTM E331	No uncontrolled water penetration at 20 psf differential pressure. No water penetration at 6.24 psf pressure differential for a two (2) hour duration
	AAMA 501.1	Dynamic water pressure testing - no sign of water leakage at 12 psf
Bond Strength	Autoclave	Sample placed in an autoclave device and pressurized to 2 PSI at 218°F for 2 ½ hrs
	Humid aging	No metal primer interface corrosion and/or delamination shall occur after 1000 hours at 135°F and 100 percent relative humidity

BENCHMARK by Kingspan

Columbus, OH: (614) 444-0110 Modesto, CA (209) 531-9091 www.kingspanpanels.com
For the product offering in other markets please contact your local sales representative or visit www.kingspanpanels.com

Care has been taken to ensure that the contents of this publication are accurate, but Kingspan Limited and its subsidiary companies do not accept responsibility for errors or for information that is found to be misleading. Suggestions for, or description of, the end use or application of products or methods of working are for information only and Kingspan Limited and its subsidiaries accept no liability in respect thereof.