

*“Full Service Cold Storage Panel Manufacturer Since 1953”*

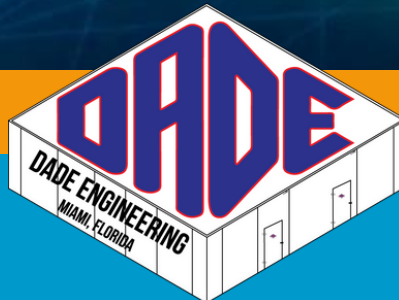
**DADE ENGINEERING**  
From concept to completion

# **CUSTOM** **INDUSTRIAL PANELS**

**Temperature Controlled Warehouses & Facilities**

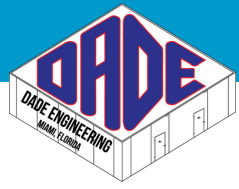
Metal Insulated Panels | Refrigeration Parts & Supplies

CAD Design | Installation | Code Compliance | Maintenance | Repairs



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7800 NW 37 Ave. Miami, FL 33147

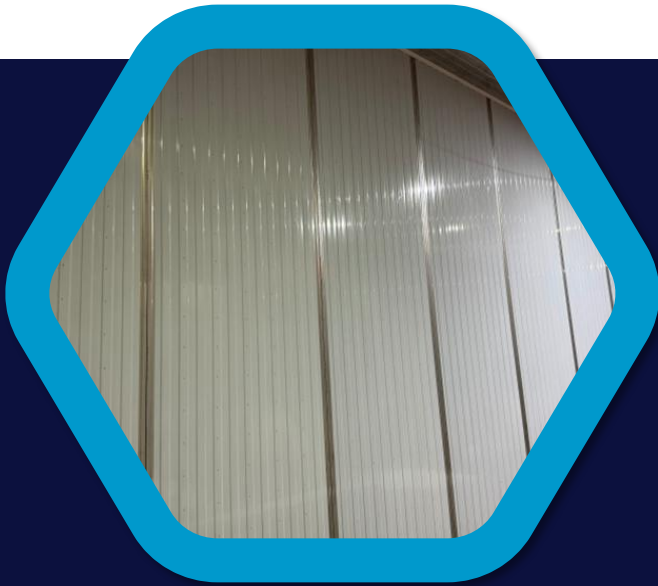


*“Full Service Cold Storage Panel Manufacturer Since 1953”*

## COMMERCIAL & INDUSTRIAL INSULATED METAL PANELS FOR CUSTOM COLD STORAGE – WAREHOUSE - FACILITIES

Insulated metal panels specifically designed and constructed for use in the walls, ceilings, and floors of cold storage facilities and warehouses play a crucial role in creating and maintaining controlled environments for the storage of temperature-sensitive goods.

Dade Industrial & Commercial Panels are insulated metal panels composed steel skins laminated to a minimum of 1.6” polyisocyanurate foam core (minimum 2.3 pcf density). They are made to order with custom measurements that avoid waste and measure up to 39 ft. in length and usable width of 1000mm/39<sup>3/8</sup>”.



### WARRANTY & CERTIFICATIONS

Warranties from 1 to 50 years, UL and UL7 approved, NSF and EISA certified and code compliant in Houston, Texas.



Ask about Our

### WALK-IN COOLERS, FREEZERS & COMBINATION MODELS

Ceiling Suspension Systems | Doors | Windows | Hardware | Custom Projects



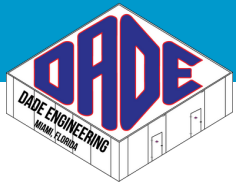
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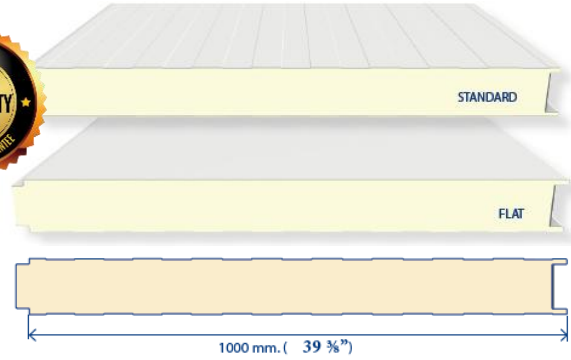
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### INSULATAED METAL PANELS

- Choose either a Standard, Semi-Smooth or Smooth Flat surface
- Maximum panel length is 1000 mm / 39<sup>3/8</sup>”
- 1.6” Polyisocyanurate (PIR) insulation, R-value 35.5 and 50 year warranty



### PANELS FEATURES

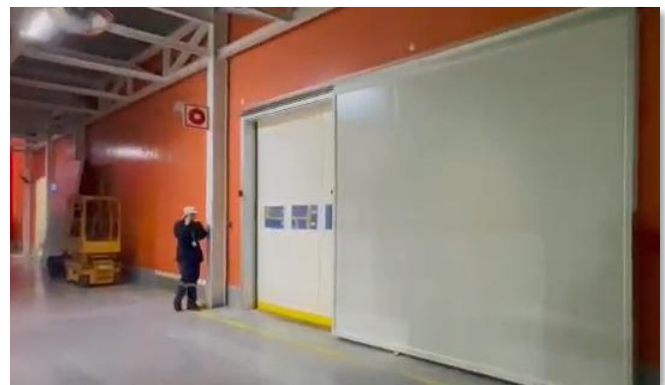
- **Customized:** Versatile for any configuration.
- **Quick Installation:** Easy to maintain, interior rounded concave corners does not collect debris
- **Relocatable:** Easily removable & configurable - wall, floor, corner and ceiling joints.
- **Cost-Efficient:** Made to measure, avoids waste with usable width of 1000mm / 39<sup>3/8</sup>”.
- **Durable:** Resistant to harsh environmental elements, panel thickness from 40mm/ 1<sup>9/16</sup>” up to 150mm/6”.
- **Aesthetics:** Choice of finishes, coatings and optional panel thickness.
- **Insulation:** High thermal insulation capacity, polyisocyanurate foam core, PIR, R-Value of 35.5.
- **Safe & Tested:** Mechanically strong, fire tested (ASTM E 84) and strength tested (STEM E 8) for optimal & safe performance.
- **Stability:** Dimensionally stable, up to 39 ft. in panel length and usable width of 1000mm/39<sup>3/8</sup>”.
- **Seal:** Water vapor tight, minimum 2.3 pcf density of 1.6” polyisocyanurate foam core (PIR) with an R-Value rating of 35.5.

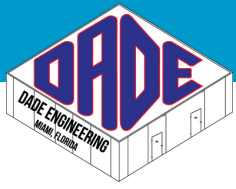
### CUSTOMIZED DOORS & OPTIONS

- High Speed Doors
- High Speed Doors with Heaters
- Bumper Accessories

#### Door Finish Options

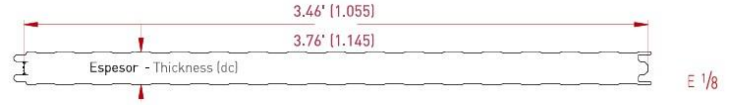
- 26 Gauge Acrylume® Stucco Embossed Finish
- 24 Gauge Smooth Stainless Steel
- 26 Gauge Stucco Embossed White Pre-Painted Galvanized Steel





## INSULATED METAL PANEL TECHNICAL DATA

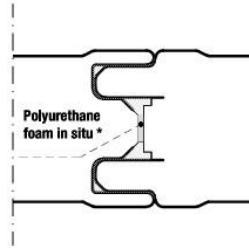
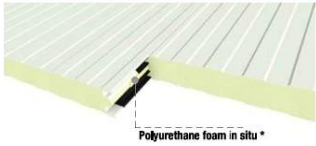
### Metal Panel Data



### Thickness



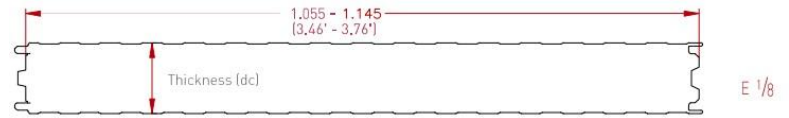
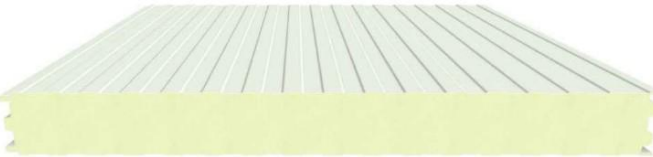
### Joint Detail



### Thermal Conductivity

Panel nominal thickness	Thermal transmittance	Thermal resistance
$d_c$ [mm-in]	$U_{gs}$ [W/m <sup>2</sup> K]	R Factor = (Hr-ft <sup>2</sup> -°F)/BTU
60 (2.36")	0,37	22,20
80 (3")	0,28	26,60

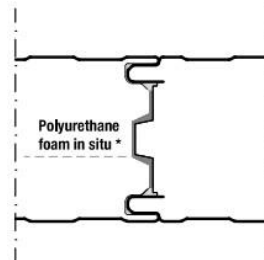
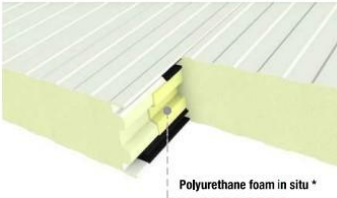
### Metal Panel Data



### Thickness



### Joint Detail



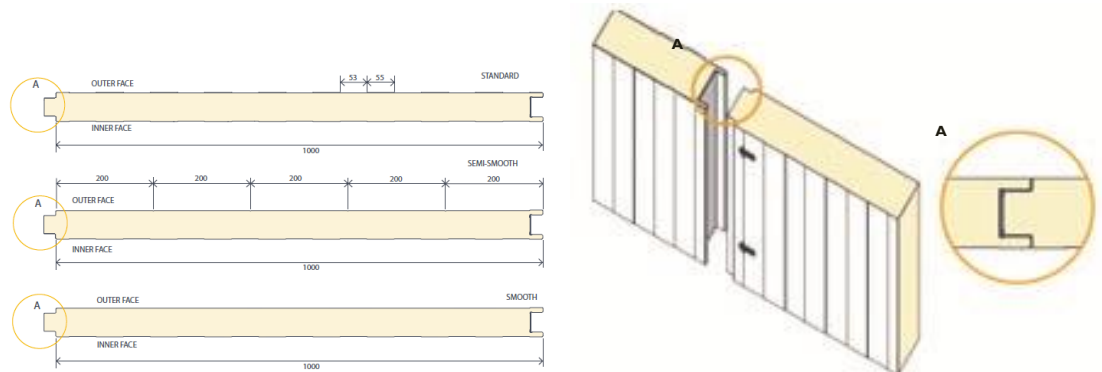
### Thermal Conductivity

Panel nominal thickness	Thermal transmittance	Thermal resistance
$d_c$ [mm-in]	$U_{gs}$ [W/m <sup>2</sup> K]	R Factor = (Hr-ft <sup>2</sup> -°F)/BTU
100 (4")	0,22	35,50
120 (5")	0,18	44,35
150 (6")	0,15	53,25
180 (7")	0,12	62,15
200 (8")	0,11	71,00
220 (9")	0,10	79,90
240 (10")	0,09	88,80

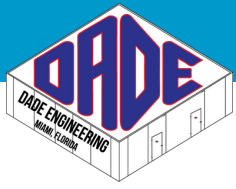
### Technical Data (Key)

Reference	Value	Range
Width	3.46' (1.055 mm)	± 0.1"
	3.76' (1.145mm)	
Thickness [dc]	≤ 4" (100 mm)	± 0.1"
	> 4" (100 mm)	
Length	min - 8'-2"	± 10 mm
	max - 49'-2"	
Core density	40 Kg/m <sup>3</sup>	± 10 %
Fire reaction	* Consult	

### PANEL PROFILE & JOINT

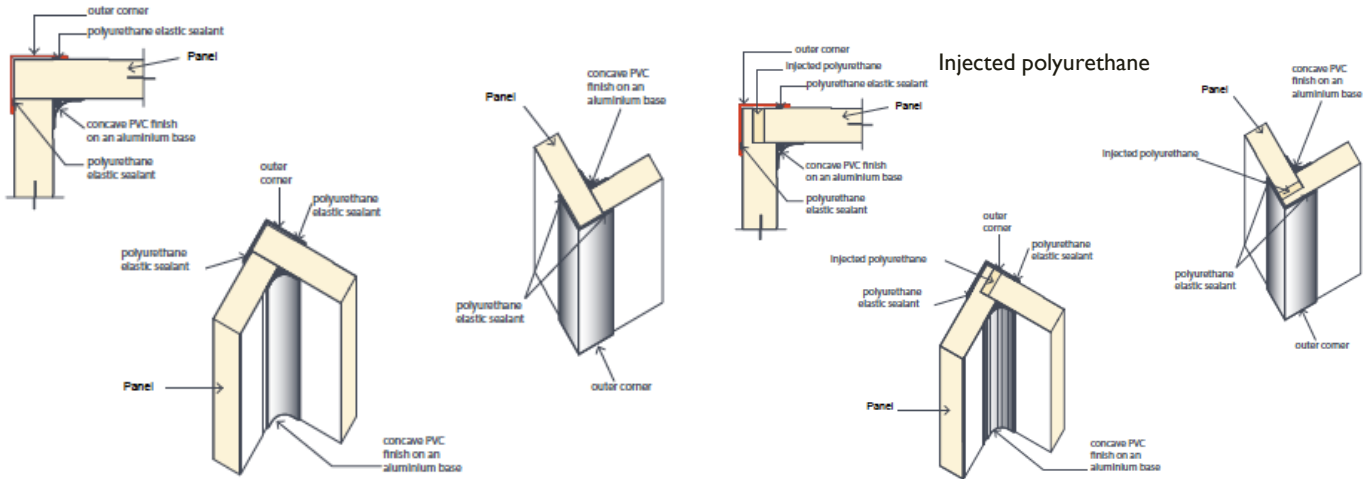




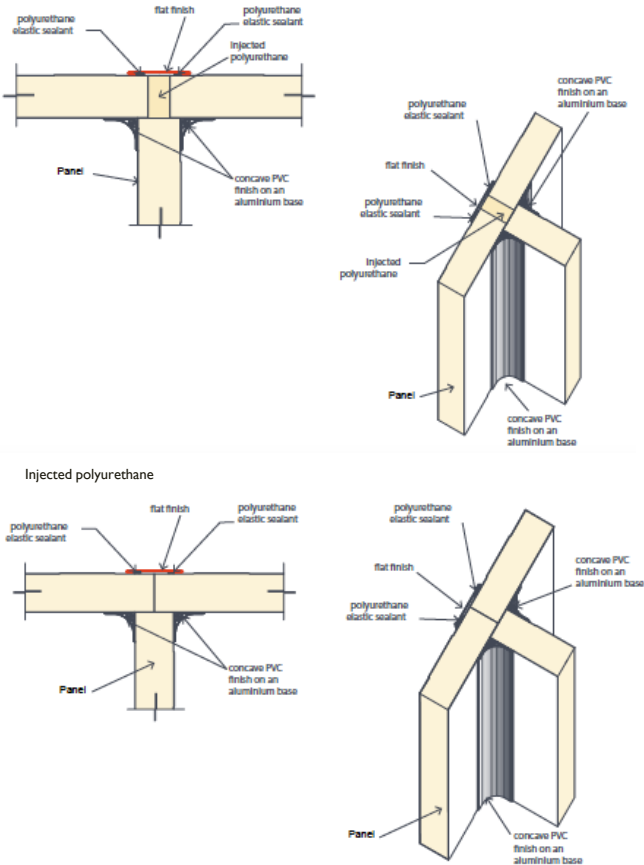


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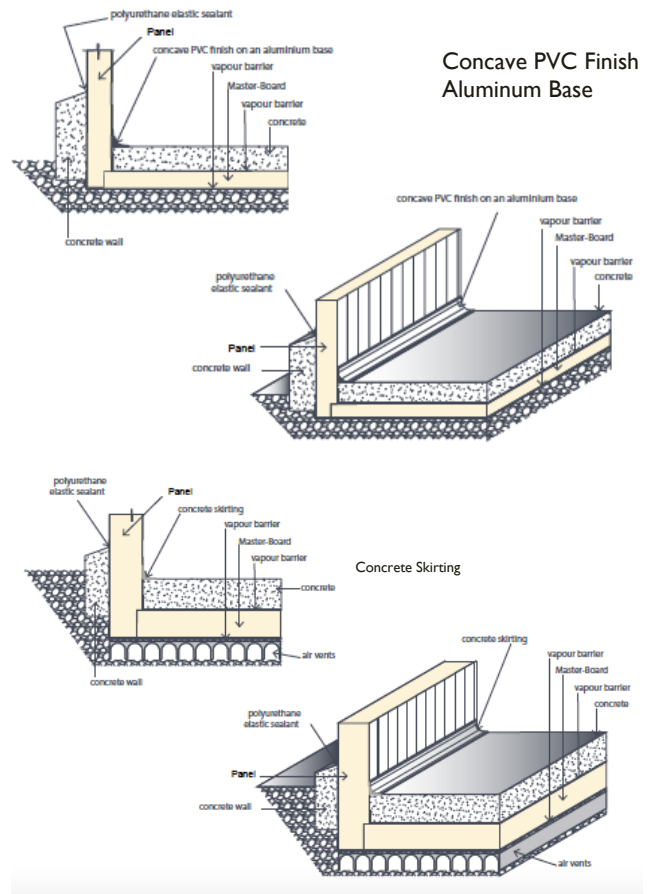
## PANEL CORNER JOINTS (Room temperature <0 degrees C)



## DOUBLE CORNER JOINT (Room temperature <0 degrees C)



## WALL-FLOOR JOINT (Room temperature <0 degrees C)



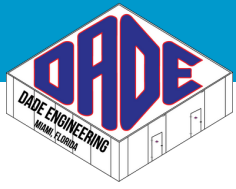
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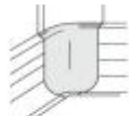
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## PANEL CORNER & FLOOR MOLDING SYSTEMS

### Base Board, PVC (Special Order)



Corner  
2 Directions



Corner  
3 Directions



Corner  
Trimming



Right / Left  
Ends



Synthetic  
Screw

### Coved Corner Trims, PVC with Aluminum Base



Corner  
Trimming



Extreme  
Cover



Corner  
2 Directions



Corner  
3 Directions



#### NSF Trims

3.5"  
(In stock)

2.5"  
(Special Order)

-15%

+

#### Aluminum Base

#### PVC

Wide  
(In stock)

Trim  
(Special Order)

Trim  
(Special Order)

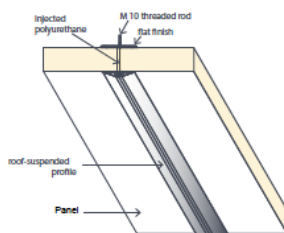
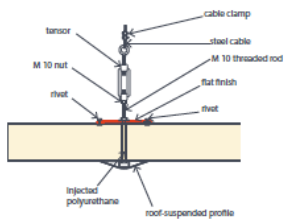
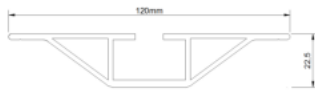
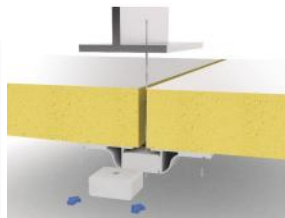
Solid  
(Special Order)

-25%

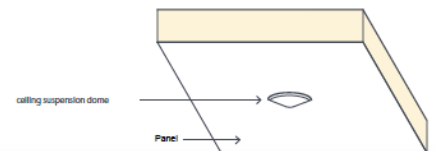
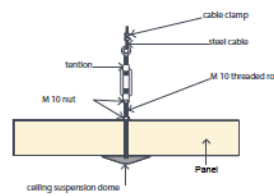
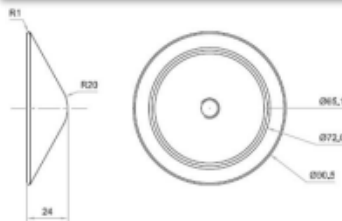
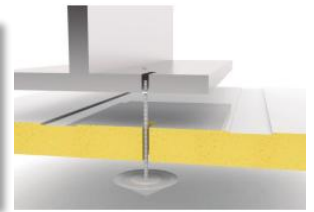
-45%

-35%

## CEILING LONGITUDINAL SUSPENSION



## CEILING POINT SUSPENSION



## ABOUT US

Dade Coolers (Dade Engineering) has been manufacturing cold storage panels since 1953. Our product range includes **walk-in coolers and freezers, beer coolers/caves, store merchandisers, commercial refrigerators & freezers, cold storage rooms, and mortuary compartments.**



We use top-quality materials and the latest technology to ensure our products are of the highest quality and exceed local building codes.

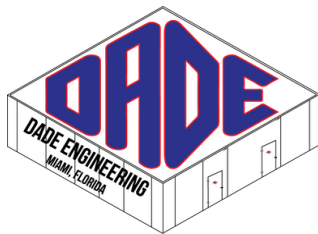
Additionally, we are a **Heatcraft OEM distributor** and partner with top vendors such as **TurboAir, Copeland, Tecumseh and Weiss Instruments** for refrigeration parts.

## OUR SERVICES

- Site surveys
- Project management
- Customized quotes
- Standard quotes in 24 hours
- Blueprints for permit submittals
- Customer service
- Engineering services
- CAD drawings
- Installation diagrams
- Quick Ship program
- Final permit inspections

## OUR COMMITMENT

To manufacture the highest quality products for every application, delivering the perfect cold storage solution tailored to each customer's needs. From concept to completion, we stand by our dedication to excellence, reliability, and performance in every project."



**Turn-key solutions from design, to installation, and parts.**  
We have you covered from **concept to completion, and compliance.**



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