



# PRODUCT DATA

## MASTER WALL® INSULATION BOARD – TYPE IV

Insulate your Master Wall® stucco project with extruded insulation board. Extruded insulation boards wrap the entire building to keep interior temperatures more consistent. It helps to reduce thermal bridging at framing.

### FEATURES & BENEFITS

- Continuous Insulation for Wall Assemblies
- Reduces air movement in wall
- Reduces life cycle CO<sub>2</sub> emissions
- Controls dew point / moisture condensation in wall
- Long lasting, strong, stable
- HCFC Free
- 20% Pre-consumer Recycled Content

### TECHNICAL DATA

- Meets or Exceeds ASTM C578, ASTM C273, ASTM E2430, ASTM E2568.
- ASTM C578, Type IV
- Minimum Density: 1.30 pcf
- R-Value (U-Value) at 75 °F (9 °C): 5.0 (0.20) per inch
- Compressive strength, min., PSI (kPa): 15.0 (104)
- Flexural Strength, min., PSI (kPa) : 40 (276)
- Water Vapor Permeance of 1.00 in (25.2 mm) thickness, max., perm (ng/Pa.s.m<sup>2</sup>): 1.5 (86)
- Water absorption by total immersion, max., volume, % : 0.3
- Dimensional stability (change in dimensions), max., %: 2.0
- Oxygen index, min., volume, %: 24.0
- Flame spread, max.: 25.0
- Smoke development, max. 450

### GENERAL APPLICATION PROCEDURE

Temporary Protection – Provide temporary and permanent protection to prevent water entry behind the system.

Substrate Preparation – Applications must be to an approved substrate with a maximum variation tolerance of 1/4" in 10'-0" (6.4 mm in 3.05 m). Contact Master Wall for approved substrates and recommended attachment methods.

#### Application

The Insulation Board can be easily cut using handsaws, power saws, sharp knives, or thermal cutting tools.

Install insulation tightly in accordance with Master Wall Inc.® and manufacturer recommendations in a running bond pattern, interlock inside and outside corners.

Fasten insulation boards in place using approved fastening method in the center of the board at framing locations. In general attach the insulation board to the framing members at the center of the board using approved fasteners and support plates such as Wind-Lock Lath Lock or ULP 302, Demand DP300, Buildex Gridmate or Master Wall® approved equal.

Provide closure where insulation board is exposed at grade. Reference Plastic Accessories data sheet or use metal closure where fire resistance is needed.

### Approved Manufacturers & Products

#### DuPont™

<https://www.dupont.com/Styrofoam™> Brand XPS

#### Owens Corning

<https://www.owenscorning.com/FOAMULAR®> 250 XPS

### Packaging/Size

Packaging: varies by manufacturer

#### Typical Thickness:

Maximum 2" (51 mm)  
Minimum 3/4" (19.1 mm)

### Board Sizes

2' x 8' (.61 m x 2.4 m)  
4' x 8' (1.2 m x 2.4 m)

### Edge Profile Options

- Square Edge
- Tongue and Groove Edge



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