

02300

Short Form Guide Specification

**PERIMETER
INSULATION**

April 2010

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T. Clear Corporation

Short Form Guide Specification – Perimeter Insulation

Concrete Faced Insulated (CFI) Wall Panels

SPEC NOTE: The following are suggested specification paragraphs to be used when specifying rigid board insulation as perimeter insulation under Section 02300.

DISCLAIMER: The manufacturer has reviewed the product information contained in this short form specification and is responsible for its accuracy. The information is organized and presented to assist the specification writer working on a construction project to select the appropriate products and to save time in writing the specification Section. The specification writer is responsible for product selection as well as the use and application of this information, and should contact the manufacturer to ensure that all options are available and that the associated specification information is valid and correct.

2.1 MATERIALS

.1 Perimeter Foundation Insulation: Extruded polystyrene board to ASTM C 578-92 (CAN/ULC-S701) Type IV, rigid, closed cell, with integral high density skin, c/w integral 3/8" (8mm) thick latex-modified concrete facing.

- .1 Thermal Resistance: Long term aged R-value of 5 per inch (0.03m² K/W per mm), to ASTM C 518
- .2 Board Size: 2'x4'x2 5/16" or 3 5/16" (610mm x 1219mm x 59mm or 84mm)
- .3 Compressive Strength: to ASTM D 1621, minimum 40psi (275.6 kPa)
- .4 Water Absorption: to ASTM D 2842, <0.1 (0.7% by volume max)
- .5 Edges: Tongue and groove sides, square edge ends.
- .6 Water Vapor Permeance: to ASTM E 96, 0.8 (50 ng/Pas m²)
- .7 Manufacturer and Product Name: T. Clear Corporation, Concrete Faced Insulated (CFI) Wall Panels

.2 Metal Cap Flashing: 24ga (0.61mm) galvanized steel J-channel; 2 1/4" (57mm) wide, 4" (102mm) long leg and 2 1/4" (57mm) short leg; prefinished in color selected by Consultant.

.3 Clips and Fasteners: corrosion-resistant type, sized to suit application; as supplied by insulation manufacturer.

3.1 EXAMINATION

- .1 Verify that the insulation boards and adjacent materials are compatible
- .2 Verify that the substrate is flat, sound, clean and remove any masonry irregularities or jagged surfaces on the foundation wall.

3.2 PERIMETER INSULATION

- .1 Layout concrete-faced insulation boards to maximize board sizes. Do not use boards less than 6" (150mm) wide
- .2 Install concrete-faced insulation board system (horizontally)(vertically), complete with fastening clips and cap flashing in accordance with manufacturer's installation guidelines.

END OF SHORT FORM