

06160

Short Form Guide Specification

**INSULATING
SHEATHING**

January 2002

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Dow Chemical Canada ULC

Short Form Guide Specification - Insulating Sheathing

STYROFOAM™ Brand CAVITYMATE™ SC / STYROFOAM™ Brand CLADMATE™ /
STYROFOAM™ CLADMATE™ XL Extruded Polystyrene Foam Insulation

SPEC NOTE: Following are suggested specification paragraphs to be used when specifying rigid board insulating sheathing under Section 06160. Insert the required paragraphs into the Section under the noted Articles, and make any required selections, such as board size, thickness, etc. Where selection is indicated with an [OR] statement, select the appropriate paragraph and delete the inappropriate statement. Delete all SPEC NOTE's and [OR] statements prior to final printing.

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 project 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

SPEC NOTE: Select STYROFOAM™ Brand CAVITYMATE™ SC extruded polystyrene foam insulation for use over steel studs. Select either STYROFOAM™ Brand CLADMATE™ or STYROFOAM™ CLADMATE™ XL for use over wood studs.

.1 Insulated Wall Sheathing: Extruded polystyrene board to CAN/ULC-S701, Type 2 rigid, closed cell type, with integral high density skin.

.1 Thermal Resistance: Long term aged RSI value of 0.87 /25 mm.

.2 Board Size: [[610 x 2440 mm] [1220 x 2400 mm] [25] [38] [50] [75] mm thick] [as indicated on Drawings].

.3 Compressive Strength: Minimum 110 kPa.

.4 Water Absorption: to ASTM D2842, 0.9% by volume maximum.

.5 Edges: Shiplapped.

.6 Water Vapour Permeance: to ASTM E96, 200 ng/Pas m2 .

.7 Manufacturer and Product Name: STYROFOAM™ Brand CAVITYMATE™ SC
Extruded Polystyrene Foam Insulation, Dow Chemical Canada ULC

[OR]

.1 Insulated Wall Sheathing: Extruded polystyrene board to CAN/ULC-S701, Type 2, rigid, closed cell type, with integral high density skin.

.1 Thermal Resistance: Long term aged RSI value of 0.87 /25 mm.

.2 Board Size: [[610 x 2440 mm] [13] [19] [28] [36] mm thick] [as indicated on Drawings].

.3 Compressive Strength: Minimum 140 kPa.

.4 Water Absorption: to ASTM D2842, 0.9% by volume maximum.

.5 Edges: Shiplapped.

.6 Water Vapour Permeance: to ASTM E96, 90 ng/Pas m2 .

.7 Manufacturer and Product Name: STYROFOAM™ Brand CLADMATE™ Extruded
Polystyrene Foam Insulation, Dow Chemical Canada ULC

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Short Form Guide Specification - Insulating Sheathing

STYROFOAM™ Brand CAVITYMATE™ SC / STYROFOAM™ Brand CLADMATE™ /
STYROFOAM™ CLADMATE™ XL Extruded Polystyrene Foam Insulation

.1 Insulated Wall Sheathing: Extruded polystyrene board to CAN/ULC-S701, Type 2, rigid, closed cell type, with integral high density skin.

.1 Thermal Resistance: Long term aged RSI value of 0.87 /25mm.

.2 Board Size: [[1220 x 2440 mm] [1220 x 2700 mm] [25] [40] [50] mm thick] [as indicated on Drawings].

.3 Compressive Strength: Minimum 110 kPa.

.4 Water Absorption: to ASTM D2842, 0.9% by volume maximum.

.5 Edges: Shiplapped.

.6 Water Vapour Permeance: to ASTM E96, 90 ng/Pas m2 .

.7 Manufacturer and Product Name: STYROFOAM™ Brand CLADMATE™ XL
Extruded Polystyrene Foam Insulation, Dow Chemical Canada ULC

.2 Mechanical Fasteners: [Purpose-made plastic, friction-fit type designed to hold the insulation in place as part of the masonry wall tie system.] [stainless steel screw type fastener, c/w moulded plastic disc washer, minimum 25 mm diameter.]

3 Execution

3.1 EXAMINATION

.1 Verify that the insulation boards and adjacent materials are compatible.

.2 Verify insulation boards are in proper widths to fit between wall ties.

.3 Verify that substrate is sound, clean, and free of oil, grease, irregularities, [materials or substances that may impede adhesive bond].

3.2 INSTALLATION - INSULATION

.1 Install insulation boards over exterior [steel] [wood] studs starting at base of wall, horizontally [between wall ties].

.2 Stagger end joints. Butt edges and ends tight to adjacent boards and to protrusions.

.3 Fit insulation boards neatly around [masonry wall ties] [wall penetrations].

.4 Place mechanical fasteners against insulation board surface to securely hold boards in place.

[OR]

.4 Secure board insulation to wood studs with screw-type fasteners. Do not crush board faces.

.5 Extend boards across control or expansion joints, unbonded to substrate 75 mm on one side of joint.

.6 Replace damaged insulation boards.

END OF SHORT FORM