

PART 1 - GENERAL

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| <u>1.1 Related Requirements</u> | .1 | Section 03 30 00 - Cast-in-Place Concrete. |
| | .2 | Section 32 11 23 - Granular Base |

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| <u>1.2 References</u> | .1 | Canadian General Standards Board (CGSB)
.1 CGSB 71-GP-24M-77(R1983), Adhesive, Flexible, for Bonding Cellular polystyrene Insulation. |
| | .2 | Underwriters Laboratories of Canada (ULC)
.1 CAN/ULC-S701-05, Standard for Thermal Insulation, Polystyrene, Boards and Pipe Coverings. |
| | .3 | Health Canada/Workplace Hazardous Materials Information System (WHMIS)
.1 Material Safety Data Sheets (MSDS). |

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| <u>1.3 Action and Informational Submittals</u> | .1 | Product Data:
.1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 - Submittal Procedures. |
| | .2 | Manufacturer's Instructions:
.1 Submit manufacturer's installation instructions. |

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| <u>1.4 Waste Management and Disposal</u> | .1 | Separate waste materials for reuse and recycling in accordance with Section - 01 74 21 - Construction/Demolition Waste Management And Disposal. |
| | .2 | Remove from site and dispose of packaging materials at appropriate recycling facilities. |
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PART 2 - PRODUCTS

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| <u>2.1 Insulation</u> | .1 | Extruded polystyrene to (XPS) Expanded to CAN/ULC-S701.
.1 Type: VI (ASTM C578).
.2 Compressive strength: 275kPa.
.3 Thickness:25mm as indicated.
.4 Size: to suit.
.5 Edges: shiplapped. |
| <u>2.2 Adhesive</u> | .2 | Adhesive (for polystyrene): to CGSB 71-GP-24.
.1 As recommended by insulation manufacturer.
.2 VOC emission: zero. |

PART 3 - EXECUTION

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| <u>3.1 Manufacturer's Instructions</u> | .1 | Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets. |
| <u>3.2 Workmanship</u> | .1 | Install insulation after substrate materials are dry. |
| | .2 | Install insulation to maintain continuity of thermal protection to foundation. |
| | .3 | Cut and trim insulation neatly to fit spaces. Butt joints tightly, offset vertical joints. Use only insulation boards free from chipped or broken edges. Use largest possible dimensions to reduce number of joints. |
| | .4 | Offset both vertical and horizontal joints in multiple layer applications. |
| | .5 | Do not enclose insulation until it has been inspected and approved by Departmental Representative. |
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| <u>3.3 Examination</u> | <ul style="list-style-type: none">.1 Examine substrates and immediately inform Departmental Representative in writing of defects..2 Prior to commencement of work ensure:<ul style="list-style-type: none">.1 Substrates are firm, straight, smooth, dry, free of snow, ice or frost, and clean of dust and debris. |
| <u>3.4 Foundation Insulation</u> | <ul style="list-style-type: none">.1 Exterior application: extend boards vertically and horizontally along mudslab. Protect with layer of compacted granular base in accordance with Section 32 11 23 - Granular Base. |
| <u>3.5 CLEANING</u> | <ul style="list-style-type: none">.1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers. |