

## Product Evaluation

### RE: Review of Foamular 400

#### **PRODUCT**

Foamular 400 is manufactured and distributed by Owens Corning located in Toledo, Ohio USA.

### **VENDOR CLAIMS AND INFORMATION**

#### **CLAIMS**

FOAMULAR® 400 is high strength durable Extruded Polystyrene (XPS) Insulation product designed for use in engineered applications requiring load-bearing capability including Road and Highway, Railroad, Airport Runway, Drill/Ice Pad, Frost/Permafrost Protection, Buried Utilities, and Light Weight Fill applications. The unique closed-cell structure of FOAMULAR® Geo XPS Insulation helps to make it highly resistant to moisture, retaining its excellent R-value year after year – even following prolonged exposure to moisture and freeze/thaw cycling.  
Product Web Link: [www.foamular.com](http://www.foamular.com)

#### **DESCRIPTION**

Foamular 400 is a high strength Extruded Polystyrene (XPS) used for insulation with thermal resistance of R-5 per inch and compressive strength of 275 kPa (40 psi).

#### **POTENTIAL USAGE**

Funder slab, concrete floors, foundations, roadways and rail beds, parking decks and cold storage installations, potholes cuts.

#### **STANDARDS**

AASHTO M230: Standard Specification for Extruded Foam Board (Polystyrene)  
CAN/ULC-S701-01: Standard for Thermal Insulation, Polystyrene, Boards and Pipe Covering  
ASTM C578: Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation  
ASTM D6817: Standard Specification for Rigid Cellular Polystyrene Geof foam  
ASTM C272: Standard Test Method for Water Absorption of Core Materials for Sandwich Constructions  
ASTM C518: Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus

### **ALBERTA TRANSPORTATION COMMENTS**

#### **EXPERIENCE**

Alberta Transportation has no experience with this product.

#### **APPLICATION STANDARDS**

Alberta Transportation does not have a standard for this product.

#### **RECOMMENDATIONS**

Foamular 400 be listed as a Potential Product under Alberta Transportation Products List, Frost Barriers – Pavement Insulation Foam – Proprietary based on the information provided. Final acceptance as a proven product will be based on field performance.

**TRIAL PROJECTS**

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