

Product Evaluation

RE: Review of Foamular 600

PRODUCT

Foamular 600 is manufactured and distributed by Owens Corning located in Toledo, Ohio USA.

VENDOR CLAIMS AND INFORMATION

CLAIMS

FOAMULAR® 600 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

DESCRIPTION

Foamular 600 is a high strength Extruded Polystyrene (XPS) used for insulation with thermal resistance of R-5 per inch and compressive strength of 413 kPa (60 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 600 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

Rishi Adhikari

cc Innovation Evaluation Group – Roger Skirrow
Jim Gavin
Dominique Grell
Junaid Iqbal