

SECTION 072216

ROOF INSULATION

PART 1 GENERAL

1.1 SUMMARY

- A. Provide extruded polystyrene roof insulation.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Warranty: Submit manufacturer's standard limited warranty against defects in manufacturing.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Mock-Ups: Provide mock-up as required by Architect to demonstrate quality of workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Extruded Polystyrene Roof Insulation, Basis-of-Design: DuPont Styrofoam Brand Deckmate Plus Extruded Polystyrene (XPS) Foam Insulation or equal by Owens Corning Foamular NGX 250 or Kingspan GreenGuard.
 - 1. Type: Closed cell foam insulation.
 - 2. Thermal Resistance, R-Value: 5.0 per inch.
 - 3. Compressive Strength, ASTM D1621: 25 psi.
 - 4. Edge Treatment: Square edge.
 - 5. Fire Performance, ASTM E84 Class A: Flame spread index 15, smoke developed index 165.
 - 6. Performance Properties: As published in manufacturer's data sheets.
 - 7. Foaming Agent: BluEdge technology, hydrochlorofluorocarbon (HCFC) free with zero ozone depletion potential.
 - 8. Reuse: 50 year reuse of insulation warranty; for use with SIKA USA EcoSmart Roof, Carlisle Syntec Systems Sure-Flex PVC or DuroLast Duro-Life 600.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with work of other sections. Provide full thickness in one layer over entire area, tightly fitting around penetrations.
- B. Restore damaged components. Clean and protect work from damage during construction.

END OF SECTION