

**SECTION 07 21 15
PERIMETER INSULATION**

PART 1 - GENERAL

1.01 SCOPE:

- A. Provide all of the labor, materials, equipment, and services to furnish and install the perimeter insulation.

1.02 QUALITY ASSURANCE:

- A. Single source responsibility for insulation products: Obtain each type of building insulation from a single source with resources to provide products of consistent quality in appearance and physical properties without delaying progress of the Work.
- B. The rated R-value shall be clearly identified by an identification mark applied by the manufacturer to each piece of building envelope insulation.

1.03 SUBMITTALS:

- A. Prior to installation, submit to the Architect for review the following:
 - 1. Manufacturer's product data indicating density, insulating value, water absorption characteristics and recommended adhesive for the application.
 - 2. Manufacturer's installation instructions.

1.04 DELIVERY AND STORAGE:

- A. Deliver materials in original packages, containers, or bundles bearing manufacturer's labels indicating the brand name and descriptive data confirming compliance with requirements herein specified.

1.05 COORDINATING:

- A. Coordinate shipment and delivery with job progress and other trades for timely installation to preclude delays and interferences and to minimize job storage time. Especially work closely with concrete installers to ensure proper installation.

PART 2 - PRODUCTS

2.01 PERIMETER INSULATION:

- A. Product/manufacturer:
 - 1. 2" Dow Styrofoam - High Load 40.
 - 2. An approved equal.
- B. Description:
 - 1. Rigid, extruded polystyrene.
 - 2. Compressive strength: 40 lbs./sq. in., min.
 - 3. Water absorption: 0.1% by volume, max.
 - 4. R-value: 5.0 deg. F./ft. sq./hr/Btu/in. min.

2.02 ADHESIVE:

- A. Type as recommended by the insulation manufacturer for the application involved.

PART 3 - EXECUTION

3.01 PREPARATION:

- A. Verify that substrate and adjacent materials, and insulation boards, are dry and ready to receive insulation and adhesive.
- B. Verify that substrate is flat and free of irregularities and materials that will impede adhesive bond.
- C. Verify that insulation boards are unbroken and free of damage, including board skin.

3.02 INSTALLATION:

- A. Recess the insulation enough to allow the slab to remain at its full thickness above the insulation. Install over vapor barrier.

- END OF SECTION -