

SECTION 07200

SPRAY BUILDING INSULATION

1 PART 1 GENERAL

- 1.1 Related Documents: The general provisions of the contract, and all codes and standards referenced.
- 1.2 Description of the Work:
- A. The extent of CORBOND® insulation is shown on the drawings.
 - B. The applications of CORBOND® include the following:
 - 1. Rigid spray-in-place perimeter wall insulation
 - 2. Rigid spray-in-place ceiling/roof insulation
 - C. Related work specified elsewhere:
 - 1. Gypsum Drywall System: Division 9 (0925)
 - D. Quality assurance:
 - 1. Thermal Conductivity: $K=.15$ (ASTM-C-177-85)
 - 2. R-Factor = 7.3 per inch aged 90 days at 73 F or 6.75 per inch aged 90 days at 140 F (ASTM-C-177-85)
 - 3. Density = 1.8 - 1.9 lbs/cu ft. in-place (ASTM-D-1622)
 - 4. Permeance = .80 at 2.5 inch thickness
 - 5. Surface Burning Characteristics: Class I at 4", ASTM-E-84-91a.
**Flame Spread = 25, Smoke 450
 - 6. Independent 3rd Party Labeling: Satisfies labeling requirements of UBC Section 2602.3, BOCA Section 2603.2 and SBCCI Section 2603.1.2
 - 7. Recognizable lavender color.
 - E. Product handling
 - 1. Do not allow containers to be stored in direct sunlight. Keep drums covered. Empty container disposal by technicians in accordance with current law.
 - 2. Store raw materials at 55 F to 70 F.
 - 3. Fire hazard class of raw material stored on site: Combustible liquid, Class 3B.
 - 4. Transportation Class 55, NOIBN, Non-Hazardous.

5. WARNING: Breathing hazard during application of insulation materials. Do not enter without proper respiratory protection. No smoking or open flame.

F. Job conditions

1. Examination of substrate: Technicians will examine the substrate and conditions under which the spray insulation work is to be performed, and notify the contractor in writing of any unsatisfactory conditions, such as:
 - a. Excessive dirt or oil on substrate.
 - b. Excessive moisture present as dampness, dew, frost, or water.
 - c. Substrate temperatures outside applicable limits.
2. Cover tools and work of other trades as required to prevent damage from overspray.
3. Do not weld or torch near CORBOND®. Cover as soon as possible with subsequent work.

2 PART 2 PRODUCTS

2.1 Materials

- A. Rigid Perimeter Wall Insulation: CORBOND® Performance Insulation System installed to thickness shown on plans and drawings.
- B. Rigid Ceiling/Roof Insulation: CORBOND® Performance Insulation System installed to thickness shown on plans and drawings.

3 PART 3 EXECUTION

3.1 Installation

- A. Installation of the CORBOND® Performance Insulation System is performed by technicians familiar with the processing of two component polyurethane foams and in complete accord with application instructions provided by the manufacturer. These technicians use equipment with preset component ratio and electronically controlled heat input to assure in-place consistency of finished product and performance. Contact CORBOND® Corporation, Bozeman, Montana, (888) 949-9089 or direct at (406) 586-4585.

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