

**Section 07 21 29**  
**Celbar Spray-On Systems**  
**Specification Guide 05/09**

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**PART 1 - GENERAL**

**1.01 Section Includes**

- A. Sprayed cellulose thermal and acoustical insulation.

**1.02 Related Items**

- A. All rough plumbing, electrical, telephone and data lines must be first completed by other trades prior to the application.

**1.03 Submittals**

- A. Submit product data and manufacturer's certificate that the product meets or exceeds specified requirements.
- B. Manufacturer's written certification that product contains no asbestos, fiberglass or other man-made mineral fibers, and free of ammonium based additives.**
- C. Copy of manufacturer's ISO 9001:2008 Certification.

**1.04 Quality Assurance**

- A. Manufacturer must be ISO 9001:2008 Certification.
- B. Manufacturer must subscribe to independent laboratory follow-up inspection services of Underwriters Laboratories. Each bag shall be labeled accordingly.
- C. Mock-up: Apply a 100 square foot representative sample to be reviewed by the Architect and/or Owner prior to proceeding.

**1.05 Delivery, Storage and Handling**

- A. Deliver in original, unopened containers bearing name of manufacturer, product identification and reference to U.L. testing.
- B. Store materials dry, off ground, and under cover.

**PART 2 - PRODUCTS**

**2.01 Acceptable Manufacturers**

- A. International Cellulose Corporation  
12315 Robin Boulevard  
Houston, Texas 77045  
(713) 433-6701 or (800) 444-1252  
FAX: (713) 433-2029

**2.02 Materials**

- A. Celbar Spray-On Systems.
  - 1. Thermal Resistance values: R=3.8 per inch
  - 2. The sprayed insulation must have been tested in sprayed form by U.L. and have each bag labeled with the reference to U.L. test results according to ASTM E-84/U.L. 723:
    - a. Tested at a minimum of 4" thickness, Class 1 (A)
    - b. Flame Spread: 15
    - c. Smoke Developed: 0
  - 3. Comply with local Building Code Requirements.
  - 4. Fire Rating: 1 Hour, ASTM E-119 Full Scale Test Procedure.
  - 5. Fire resistance ingredient of 100% Boric Acid**

**PART 3 - EXECUTION**

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**3.01 Examination**

- A. Examine surfaces scheduled to receive insulation for voids, projections, foreign substances on surfaces, lack of caulking at plates, or other items, which might interfere with integrity of complete wall system. Examine surfaces and report unsatisfactory conditions in writing. Do not proceed until unsatisfactory conditions are corrected.
- B. Assure that rough plumbing, electrical conduit and boxes, and other items required to penetrate the sprayed soundproofing are installed before applying soundproofing.
- C. Spray-force material into all cracks, holes, seams; seal around electrical receptacles, telephone/television jacks, ducts and plumbing.

**3.02 Preparation**

- A. Provide masking, drop cloths or other satisfactory coverings for materials/surfaces that are not to receive insulation to prevent damage from over-spray.
- B. Coordinate installation of the sprayed cellulose fiber with work of other trades.

**3.03 Installation**

- A. Thickness will be determined as the minimum thickness measured as per ASTM-E605 field test procedure.
- B. Install spray applied insulation according to manufacturer's recommendations. Apply material with specially designed nozzle using pressure recommended by the manufacturer.
- C. Cure insulation with continuous natural or mechanical ventilation.
- D. Remove and dispose of over-spray.

**3.04 Protection**

- A. Protect finished installation under provisions of Division 1.

END OF SECTION

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