



DESIGN SOLUTION

MULTI-FAMILY DWELLING



PROJECT	Metro Green Apartments Stamford, CT
DETAILS	250,000 sq. ft. of Cebal Spray-on Systems
ARCHITECT	Perkins Eastman Architects Stamford 422 Summer Street Stamford, CT 06901

Metro Green is designed as a model for green affordable housing development, meeting the Enterprise Green Community Guidelines and anticipating a LEED Gold certification from the U.S. Green Building Council (USGBC) as both a new building and as a pilot project under the USGBC's LEED Neighborhood Development Program for Neighborhood Design.

Celbar Spray Insulation has created quite a positive stir in the new Metro Green Apartment Community with its recent ribbon cutting ceremony. The green, affordable housing units are insulated with Celbar Spray Insulation making the structure environmentally responsible while achieving sound control between floors, and providing thermal control throughout the buildings.



SIMILAR CELBAR PROJECTS

SEA RANCH CONDOMINIUMS
FT. LAUDERDALE, FL

DEL LAGO CONDOMINIUMS
CONROE, TX

COLUMBUS METRO
HOUSING
HILLIARD, OH

THE COVE AT WALDEN
CONDOMINIUMS
CONROE, TX

MOUNT SAINT BENEDICTS
APARTMENTS
ERIE, PA

THE TAMARACK CLUB
CONDOS
ELLCOTTVILLE, NY

THE MERCANTILE BUILDING
CONDOS
ERIE, PA

THE GALVESTON
CONDOMINIUMS
GALVESTON, TX

FOUR LEAF TOWERS
HOUSTON, TX

HAWAIIAN MONARCH
CONDO / HOTEL
HAWAII, HI

Section 09530 Celbar Material Specification Guide

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.

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) 610-4719 or (800) 444-1252
FAX: (713) 610-4759

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. Celbar wall spray has been tested in wall assemblies using the ASTM E-119 Full Scale Test Procedure.
- 5. Complies with ASTM C-1149 type II

PART 3 - EXECUTION

3.01 Examination

- A. Examine surfaces scheduled to receive insulation for voids, projections, and 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. Install spray applied insulation according to manufacturer's recommendations. Apply material with specially designed nozzle using pressure recommended by the manufacturer.
- B. Install Celbar wall spray _____ inches in the wall assembly for an STC of _____.
- 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.



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Minimum 80% recycled content

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