



# DESIGN SOLUTIONS

## SOUND CONTROL FOR HOTEL & CASINOS



### BENEFITS OF CELBAR®

- MORE ENERGY EFFICIENT
- CONFORMS TO ANY WALL CONFIGURATION
- MOLD & MILDEW RESISTANT
- Celbar® IS A GREEN PRODUCT
- PROVIDES SUPERIOR SOUND TRANSFER CONTROL
- LOWER INSTALLED COSTS/ FASTER INSTALLATIONS
- HELPS CONTROL CONDENSATION
- WICKS OUT MOISTURE
- CLASS 1, CLASS A FIRE RATING

### THERMAL AND SOUND CONTROL

Treasure Island Casino and Resort is designed with the pleasure and comfort of the hotel guest in mind. Guests demand a quiet hotel room and the architects of this project understood this. Excellent sound control from one hotel room to the next is a must. **Celbar® insulation is the solution.** Celbar® is a blend of specially prepared Cellulose fibers, organic in nature threaded with strong adhesive and fire resistant borates. When Celbar® is sprayed in place, the interlocking fibers result in a mass that produces the best sound transmission control in the walls or between floors. The reason for this high performance is that Celbar® is pneumatically spray-applied in wall and floor cavities to form a monolithic coating. This process seal cracks and holes in the wall board, around plumbing and electrical outlets, vent ducts and other irregularities. There are no compressed areas or voids to allow sound leaks or air filtration. Celbar® provides superior sound transfer control demanded by building designers, owners and occupants. Celbar® is the cost effective sound control solution.

## SECTION 072129 CELBAR® SPRAY-ON SYSTEM SPECIFICATION GUIDE



### CELBAR® COMPLETED PROJECTS

Bellagio Hotel & Casino  
Las Vegas, NV

Caesar's Hotel & Casino  
Las Vegas, NV

Hard Rock Hotel  
Las Vegas, NV

Mirage Hotel & Casino  
Las Vegas, NV

Harrah's Hotel & Casino  
Las Vegas, NV

The Venetian Hotel & Casino  
Las Vegas, NV



**INTERNATIONAL  
CELLULOSE  
CORPORATION**

**12315 ROBIN BLVD  
HOUSTON, TX 77045  
PHONE: (800) 444-1252  
FAX: (713) 433-2029  
www.celbar.com**



#### **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 9002 Certification.

##### **1.04 Quality Assurance**

- A. Manufacturer must be ISO 9002 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. Comply with requirements of UMB-80 for FHA, VA and HUD projects.

#### **PART 3 - EXECUTION**

##### **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**