

SonaSpray "fc"

Acoustical finish®

DESIGN SOLUTION

School Facility



PROJECT	Centennial Hall University of Colorado Colorado Springs, CO
DETAILS	SonaSpray "fc" White 1" Thick 24,000 Sq. Ft.
ARCHITECT	Anderson Mason Dale 3198 Speer Blvd. Denver, CO

Centennial Hall was originally built in 1980 and in 2009 underwent a major renovation, which was completed in 2010. The facility houses class space for chemistry, biochemistry, anthropology and geography courses plus laboratories and faculty offices. In addition, Centennial Hall achieved its LEED certification, the fourth building on campus to attain LEED certification.

The lab spaces were left open to the structure above which was concrete-t construction. SonaSpray "fc" was applied at a thickness of 1" on the base of the tees and down the stems to control the reverberation from all the activities in the room. This also helps verbal communication between student and teacher.



Churches, restaurants, libraries, offices, hotels, and exhibit halls are just a few of the many types of projects in which SonaSpray "fc" can be utilized to provide an attractive acoustical treatment. For new construction or renovation projects, ICC's family of products offer the ideal ceiling treatment for any thermal or acoustical insulation need. Contact International Cellulose Corporation today at (800) 444-1252, or visit us online at www.spray-on.com for complete details on how ICC can improve your building projects.

SIMILAR SonaSpray "fc" PROJECTS



**PLANO LIBRARY
PLANO, TX**



**WHITE CENTER HEIGHTS ELEMENTARY
BURIEN, WA**



**GLENWOOD SPRINGS HIGH SCHOOL
GLENWOOD SPRINGS, CO**

SonaSpray[®]"fc" Spray On Acoustical Finish Section 09 83 16 Specification Guide 06/11

PART 1 - GENERAL

1.01 Section Includes

- A. Sprayed cellulose insulation finish system.

1.02 Related Items

- A. Clips, hangers, supports, sleeves and other attachments to spray bases are to be placed by other trades prior to the application of sprayed insulation.
- B. Ducts, piping, conduit or other suspended equipment shall not be positioned until after the application of sprayed insulation.

1.03 Submittals

- A. Copy of manufacturer's ISO 9001:2008 Certification.
- B. Submit 2 copies of test reports indicating compliance with the following:
 - 1. Minimum light reflectivity
 - a. Arctic White: 81+
 - b. White: 73+
 - 2. NRC VALUES per ASTM C-423 conducted by a NVLAP certified testing laboratory:

SonaSpray "fc" on Solid Backing*						
Inches	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	NRC
0.50"	0.08	0.16	0.46	0.87	1.07	0.65
1.00"	0.12	0.38	0.88	1.15	1.15	0.90

SonaSpray "fc" on Ribbed Metal Deck*						
Inches	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	NRC
0.75"	0.17	0.58	0.91	0.89	0.87	0.80

- 3. Flame Spread Index 5 ASTM E-84/UL 723
- 4. Smoke Developed 5 ASTM E-84/UL 723
- 5. Bond Strength
 - SonaSpray "fc" >600 psf ASTM E-736
 - SonaSpray "fc" Dura-k >900 psf ASTM E-736
- 6. Compression Strength
 - SonaSpray "fc" >400 psf ASTM E-761
 - SonaSpray "fc" Dura-k >600 psf ASTM E-761
- 7. Comply with IBC 803.3/2009 IBC 803.10 stability requirements for interior finishes.

- C. Manufacturer's written certification that product contains no asbestos, fiberglass or other man made mineral fibers.

1.04 Quality Assurance

- A. Manufacturer must have a current listing with ICC.
- B. Manufacturer must be in compliance with the 2006 IBC.
- C. Manufacturer must be ISO 9001:2008 Certified
- D. Applicator: Licensed by manufacturer.
- E. Manufacturer must subscribe to independent laboratory follow-up inspection services of Underwriter Laboratories. Each bag shall be labeled accordingly.

- F. Mock-up: Apply a 100 square foot representative sample to be reviewed by the Architects and/or owner prior to proceeding.

1.05 Delivery, Storage and Handling

- A. Materials shall be delivered 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.
- C. Protect liquid adhesive from freezing.

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: (Specify desired product)

- A. SonaSpray "fc" Acoustical Finish (4:1 Adhesive Ratio)
- B. SonaSpray "fc" Dura-K (3:1 Adhesive Ratio)
**Color selection will affect price
- C. Color shall be _____

PART 3 - EXECUTION

3.01 Examination

- A. Examine surfaces and report unsatisfactory conditions in writing. Do not proceed until unsatisfactory conditions are corrected.
- B. Verify surfaces to receive spray insulation to determine if priming/sealing is required to ensure bonding and/or to prevent discoloration caused by migratory stains.

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.
- C. Prime surfaces as required by manufacturers instructions or as determined by examination.

3.03 Installation

- A. Average thickness to achieve NRC value of 0.65 or greater.
- B. Install spray applied insulation according to manufacturers recommendations.
- C. Cure insulation with continuous natural or mechanical ventilation.
- D. Remove and dispose of over-spray.

3.04 Protection

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



Professionally installed by:

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Fax: (713) 433-2029
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www.spray-on.com

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SonaSpray "fc" is manufactured with:
Minimum 80% recycled content

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