

SonaSpray "fc"

Acoustical finish®

DESIGN SOLUTION

School



PROJECT	Van Buren Elementary School Caldwell, ID
ARCHITECT	LKV Architects 2400 East Riverwalk Drive Boise, ID 83706
DETAILS	SonaSpray "fc" Arctic White 40,000 Square Feet ¾" Thickness



Van Buren Elementary School is believed to be the first public school in Idaho to earn LEED Certification (Silver). Part of the certification involved the lighting design. The building is V-shaped and oriented to the east to capture as much sunlight in the classrooms and library as possible. This included leaving out the drop ceiling to make the ceilings higher.

International Cellulose's SonaSpray "fc" was a key part in the lighting design. In addition to providing an NRC of 0.80, the Arctic White color has a light reflectivity of 81% which helps brighten the rooms even more. SonaSpray also contributes in three LEED categories, re-cycled content (80% post-consumer), low VOC content adhesives (<20 gm/l) and has no added urea formaldehydes.

In addition to the superior acoustics and light reflectivity of SonaSpray "fc", the ICC family of products offer a wide range of benefits, such as, thermal insulation, durability, color options and condensation control. No matter what your design requirements and budget are, ICC's products can be customized to meet your needs.

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 05/09

PART 1 – GENERAL

1.01 Section Includes

- A. Sprayed cellulose 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	4000 HZ	NRC
0.50"	0.08	0.16	0.46	0.87	1.07	1.12	0.65
1.00"	0.12	0.38	0.88	1.15	1.15	1.15	0.90

SonaSpray "fc" on Ribbed Metal Deck*							
Inches	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
0.75"	0.17	0.58	0.91	0.89	0.87	0.84	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

- 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 Underwriters 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. 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.
- 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
- B. For approved applicators contact ICC at (800) 444-1252

2.02 Materials (Specify desired product)

- A. SonaSpray "fc" Acoustical Finish (4:1 Adhesive Ratio)
- B. SonaSpray "fc" Dura-K (3:1 Adhesive Ratio)
- 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 protect from over-spray.
- B. Coordinate installation of the sprayed cellulose fiber with work of other trades.
- C. Prime surfaces as required by manufacturer's instructions or as determined by examination.

3.03 Installation

- A. Average thickness to achieve NRC of 0.65 or greater.
- B. Install sprayed applied acoustical finish according to manufacturer's recommendations.
- C. Cure material 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.



Professionally installed by:

12315 ROBIN BLVD.
HOUSTON, TX 77045
Office: (800) 444-1252 or (713) 433-6701
Fax: (713) 433-2029
E-mail: icc@spray-on.com
www.spray-on.com

© 2010 ICC ALL RIGHTS RESERVED.



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

PRINTED IN USA 11/11



10%
TOTAL RECOVERED FIBER
ALL POST-CONSUMER FIBER



Mixed Sources
Product group from well-managed
forests, controlled source and
recycled wood or fiber
www.fsc.org Cert no. SW-COC-001530
© 1996 Forest Stewardship Council