

SonaSpray® "fc"
Acoustical finish

DESIGN SOLUTION

Plano Library



PROJECT

Plano Library
Plano, TX

ARCHITECT

Dave Meise
Phillips Swager Associates
Dallas, TX

DETAILS

SonaSpray "fc"®
Custom Blue and Arctic White
6,000 Square Feet
1/2" Thickness

Plano, Texas is one of the fastest growing towns in Texas. Located to the North of Dallas/Fort Worth, Plano offers a quiet refuge from the hustle and bustle of big city life. As more people have discovered this town more are moving out to this quaint suburb. New homes and public facilities are constructed to meet this influx of people. With all the new construction, the

community decided the Westside of Plano needed a new library. The community wanted a library that was quite and artistic in design. The architect designed a multidimensional library that would need more acoustical performance than a typical drop ceiling. The architect's goal was to find an acoustical solution that would not interfere with the artistic design of the library. SonaSpray "fc" was the solution to the dilemma.

In the children's section of the library the architect came up with a unique design to combine acoustics with the ceiling. A white drop ceiling in the shape of clouds was suspended, then a special color of sky blue SonaSpray "fc" was applied at a half-inch to the background giving the room a picturesque illusion of outside. The SonaSpray "fc" will absorb

the sounds of children and stop the reverberation of their voices throughout the building.

A half-inch of Artic White SonaSpray "fc" was applied to all the high ceiling of the library with its light reflectivity 81. Not only did SonaSpray "fc" control the sound level, it also aided in the lighting. Patrons can be assured that their visit to the library will be a quiet and pleasant experience.

For new construction or renovation projects, ICC's family of products offers the ideal ceiling treatment for thermal or acoustical insulation requirements. Contact International Cellulose Corporation today at **(800) 444-1252** for complete details on how ICC can improve your building project, or visit our web site at www.spray-on.com.

SIMILAR SONASPRAY "FC" PROJECTS

**ARDMORE PUBLIC LIBRARY
ARDMORE, OK**

**CRANDALL ISD LIBRARY
CRANDALL, TX**

**DOROTHY ALLING LIBRARY
WILLISTON, VT**

**HOMWOOD LIBRARY
BIRMINGHAM, AL**

**KENNER PLANETARIUM
KENNER, LA**

**MUSEUM OF NATURAL SCIENCE
HOUSTON, TX**

**REDMOND REGIONAL LIBRARY
REDMOND, VA**

**SAM HOUSTON MEMORIAL MUSEUM
HUNTSVILLE, TX**

**ERIE COUNTY LIBRARY
ERIE, NY**

**TECH MUSEUM OF INNOVATION
SAN JOSE, CA**

**WALETT LIBRARY
BOSSIER CITY, LA**

**WEWAHITCHKA LIBRARY
WEWAHITCHKA, FL**

**SAN DIEGO CHILDREN'S MUSEUM
SAN DIEGO, CA**

**WEST BEND MEMORIAL LIBRARY
WEST BEND, WI**

**VETERAN WAR MEMORIAL BUILDING
TRENTON, NJ**

**Section 09212
SonaSpray® "fc" Spray On Acoustical Treatment
Specification Guide Rev 11/01**

PART 1 - GENERAL

1.01 Section Includes

EDIT ACOUSTICAL WHERE REQUIRED

- 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 9001:2000 Certification.
- B. Submit 2 copies of these reports indicating compliance with the following:

Light reflectivity minimum 81 + Arctic White
73 + White

NRC VALUES per ASTM C-423 conducted by a NVLAP certified testing laboratory:

	125	250	500	1000	2000	4000	NRC
0.50" ¹	.08	.16	.46	.87	1.07	1.12	.65
0.75" ²	.25	.36	.74	.98	.99	.99	.75
0.75" ³	.17	.58	.91	.89	.87	.84	.80
1.00" ¹	.12	.38	.88	1.16	1.15	1.15	.90

¹on solid backing ²on lath/plaster ³on ribbed metal deck

Flame Spread Index 5 ASTM E-84/UL 723
Smoke Developed 5 ASTM E-84/UL 723

Bond Strength

SonaSpray "fc" >600 psf ASTM E-736
SonaSpray "fc" Dura-k >900 psf ASTM E-736

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 be ISO 9001:2000 Certified
- B. Applicator: Licensed by manufacturer.
- C. Manufacturer must subscribe to independent laboratory follow-up inspection services of Underwriter Laboratories. Each bag shall be labeled accordingly.
- D. 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

- B. SonaSpray "fc" Dura-K

**Color selection will affect price

- C. Color shall be as indicated in Schedule 3.05

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.

3.05 Schedule

- A. Provide a schedule when insulation requires listing by color, insulation value, NRC values and other attributes.



**12315 ROBIN BLVD.
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Website: www.spray-on.com

Professionally installed by: