

SonaSpray[®] "fc"

Acoustical finish

- ATTRACTIVE TEXTURED FINISH
- HIGH NRC RATING: .65 @ 1/2"
- LIGHT REFLECTIVE FINISH
- IDEAL FOR NEW CONSTRUCTION & RENOVATION

PRODUCT DESCRIPTION

SonaSpray[®] "fc" is a spray applied acoustical texture designed for a wide range of project types. SonaSpray "fc" provides an attractive, high performance solution to acoustical and lighting design objectives in both new construction and renovation projects. Typical installations include: schools, churches, passenger terminals, libraries, cafeterias, offices, hotels and condominiums.

SonaSpray "fc" is available in White and Arctic White. Specially matched colors are also a design option.

ACOUSTICAL PERFORMANCE

SonaSpray "fc" as tested by a NVLAP accredited acoustical laboratory per ASTM C-423, provides an exceptionally high noise reduction coefficient (NRC). A typical installation of 1/2" thick on solid backing has an unequalled NRC of .65. At its maximum recommended thickness of 1", the NRC is .90. Please refer to the table on the reverse page for complete values.



DURABILITY AND MAINTENANCE

The adhesive used to apply SonaSpray "fc" provides a strong, durable and resilient bond. This unique combination of properties provides remarkable durability. SonaSpray "fc" will resist impact and abrasion without cracking or spalling, typical to many cementitious or plaster based materials. In areas where even high abrasion resistance may be desirable, SonaSpray "fc" Dura-K may be specified. This provides even greater bond and compressive strength without reducing the acoustical performance. SonaSpray "fc" can be painted with water based latex or acrylic paint if desired, without appreciably reducing the NRC value.

SUBSTRATE COMPATIBILITY

SonaSpray "fc" is spray applied and will conform to any surface configuration such as barrel vaults, concrete "T", corrugated decks, pan construction and other complex surfaces. The high performance adhesive will bond to virtually all common construction materials including sheetrock, plaster, wood, metal and concrete. Some surfaces (such as water stained ceilings, wood and oxidized metal) will require sealing to prevent migratory staining of the SonaSpray "fc".



Additional information, design assistance, Material Safety Data Sheets, other product literature or a list of prominent installations are available on request. SonaSpray "fc" is installed by contractors licensed and trained by International Cellulose Corporation.

PARTIAL LIST OF SIMILAR PROJECTS



**S.C. JOHNSON WAX OFFICES
RACINE, WI**



**S.E.R CONFERENCE CENTER
THE HAGUE, NETHERLANDS**



**ESCANABA AREA HIGH SCHOOL
ESCANABA, MI**



**HIGHLAND SENIOR H.S.
NATRONA HEIGHTS, PA**

**Section 09212
SonaSpray® "fc" Spray On Acoustical Treatment
Specification Guide**

PART 1 - GENERAL

1.01 Work Included:

- A. The work to be performed under this section shall include all materials, equipment, labor and services required to install the sprayed cellulose fiber in accordance with these specifications and as indicated on the drawings if applicable.
- B. A representative surface of not less than 100 square feet shall be sprayed and approved by the Architect and/or Owner prior to proceeding.

1.02 Related Work

- 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 Systems Description/Quality Assurance:

- A. Contractor must use a total system, encompassing equipment, fiber and adhesive as supplied and tested by the manufacturer. No substitution may be made.
- B. Contractor must be licensed and trained by the manufacturer.

1.04 Submittals:

- A. Provide two copies of independent test reports of:

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

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

1.05 Product Delivery, Storage and Handling:

- A. Materials shall be delivered in original, unopened containers bearing name of manufacturer, product identification and reference to U.L.
- B. Store materials off ground, under cover and away from damp surfaces and keep material dry at all times.
- 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 Treatment _____
- B. SonaSpray "fc" Dura-K _____
- C. Color _____

*Color selection will affect price.

PART 3 - EXECUTION

3.01 Inspection-Preparation-Installation:

- A. The acoustical contractor shall examine all surfaces and report all unsatisfactory conditions in writing to the General Contractor and Architect. The work shall not proceed until unsatisfactory conditions are corrected.
- B. Provide masking, drop cloths or other satisfactory coverings for all materials/surfaces which are not to receive insulation so as to prevent damage from overspray.
- C. Surfaces to receive spray insulation shall be inspected prior to application to determine if priming/sealing is required to insure bonding and/or to prevent discoloration by migratory stains. Prime accordingly.
- D. The work shall be coordinated with other trades whose work may be affected or have an effect on the installation.
- E. Installation, clean-up and curing shall be accomplished according to the manufacturer's recommendations and common construction standards.
- F. Provide natural or mechanical ventilation continuously to properly cure the insulation.

3.02 Schedule:

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



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Professionally installed by:



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