

# SonaSpray<sup>®</sup> "fc"

Acoustical treatment

- ATTRACTIVE TEXTURED FINISH
- HIGH NRC RATING: .65 @ ½"
- LIGHT REFLECTIVE FINISH
- IDEAL FOR NEW CONSTRUCTION & RENOVATION

## PRODUCT DESCRIPTION

SonaSpray<sup>®</sup> "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 ½" 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 ever 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**



**DOANE COLLEGE  
CRETE, NE**



**MAPLE LANE JUVENILE CENTER  
CENTRALIA, WA**



**TEMPLE OHABEI SHALOM  
BROOKLINE, MA**



**ST. JOAN OF ARC  
PHOENIX, AZ**

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

**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"	.08	.16	.46	.87	1.07	1.12	.65
0.75"	.25	.36	.74	.98	.99	.99	.75
0.75"	.17	.58	.91	.89	.87	.84	.80
1.00"	.12	.38	.88	1.15	1.15	1.15	.90

on solid backing on lath/plaster on 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.



P.O. BOX 450006  
HOUSTON, TX 77245  
800/444-1252  
713/433-2029 (FAX)  
icc@spray-on.com (E-mail)

Professionally installed by:

**CERTIFIED APPLICATOR**  
Phone: 631.953.6990  
Fax: 631.953.6991  
[www.idthermal.com](http://www.idthermal.com)  
[www.islanddiversified.com](http://www.islanddiversified.com)  
ISLAND DIVERSIFIED  
1191 Scott Avenue Calverton, New York, 11933