

# 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 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**

**SonaSpray® "fc" Spray On Acoustical Treatment  
Section 098316  
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	1000HZ	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
- 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.



**12315 ROBIN BLVD  
HOUSTON, TX 77045  
(800) 444-1252  
(713) 433-2029 (FAX)  
icc@spray-on.com (E-mail)**

**Professionally installed by:**