

# SonaSpray "fc"® Technical Data & Submittal Package

May 2002

Page 1 of 5

## Application

SonaSpray "fc" is installed by an international network of professional contractors licensed by ICC. These contractors are required to install SonaSpray using approved equipment, materials and procedures. Surfaces to receive SonaSpray are to be inspected prior to installation to determine if pre-treatment is required. Due to the inherent texture of the material and application techniques, the installed material will have thickness variances. Compliance with applicable building codes and project requirements is the responsibility of the user and/or installing contractor.

## Acoustical Performance

SonaSpray "fc" on Solid Backing							
Inches	125 HZ	250 HZ	500 HZ	1K HZ	2K HZ	4K HZ	NRC
0.50"	.08	.16	.46	.87	1.07	1.12	.65
0.63"	.16	.22	.57	.95	1.09	1.12	.70
0.75"	.18	.27	.67	1.02	1.11	1.12	.75
1.00"	.12	.38	.88	1.15	1.15	1.15	.90

SonaSpray "fc" on Lath/Plaster							
Inches	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
0.75"	.25	.36	.74	.98	.99	.99	.75

SonaSpray "fc" on Ribbed Metal Deck							
Inches	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
0.75"	.17	.58	.91	.89	.87	.84	.80

<sup>1</sup>Some values interpolated. Listed thicknesses are average.

## Fire Performance Ratings

Flame Spread	5
Smoke Developed	5

## Code Approvals & Certifications

- ISO 9002 Certified
- ICBO- No. 2262
- SBCCI – No. 95

## ASTM Standards Compliance

- ASTM E-84 Surface Burning Characteristics
- ASTM C-423 Noise Reduction Coefficients
- ASTM C-523 Light Reflectance
- ASTM E-736 Bond Strength
- ASTM E-761 Compression Strength

Test reports available upon request.

## Federal Specifications

- Federal Defense Logistics Agency Cage Code: ONJU2
- Department of the Navy Guide Specifications – NFGS-07218
- Corps of Engineers Guide Specifications – CE-201.01
- Federal Specification – SS-S-111C

## Standard Colors

- White
- Artic White

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Section 09212  
SonaSpray®"fc" Spray On Acoustical Finish  
Specification Guide 0502

Page 3 of 5

## PART 1 – GENERAL

### 1.01 Section Includes

Edit acoustical where required

- 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 9002 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:

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**Page 4 of 5**

- 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 be ISO 9002 Certified.
- B. Applicator: Licensed by manufacturer.
- C. Manufacturer must subscribe to independent laboratory follow-up inspection services of Underwriters 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. 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
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Page 5 of 5

## 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 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.

### 3.05 Schedule

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

END OF SECTION