

SonaSpray[®] "fc"
αcoustical treatment

DESIGN SOLUTION

RESTAURANTS



PROJECT

Granite City Food & Brewery
Roseville, MN

ARCHITECT

SJA Architects
2035 15th Street North
St. Cloud, MN 56303

DETAILS

Custom Color Brown Sugar
SonaSpray "fc"[®]
3/4" Thickness
3,500 Square Ft

Granite City Food & Brewery is a casual restaurant with an on site brewery. One of the challenges facing the architect, SJA Architects out of St. Cloud, was controlling reverberation (echo time) in the dining area. Studies have shown that low reverberation times in dining areas of restaurants will help reduce wait staff turnover and more importantly keep the patrons coming back.

International Cellulose's SonaSpray "fc" was chosen to meet that challenge. Applied to the ceiling at a 3/4" thickness, SonaSpray "fc" will provide an overall Noise Reduction Coefficient of 0.75 (75%). SonaSpray "fc" was also chosen for its availability in custom colors to match the restaurants color scheme.

SonaSpray "fc" provides an attractive, high performance solution to acoustical and lighting objectives in both new construction and renovation projects. Typical installations include bars, restaurants, schools, churches, auditoriums, libraries, cafeterias, offices, hotels, and condominiums.

For more information on this project or a similar application please call **(800) 444-1252** or visit our website at www.spray-on.com.

PARTIAL LIST OF SIMILAR PROJECTS

STARBUCK'S COFFEE
NEW YORK, NY

RACCOON RIVER BREW PUB
DES MOINES, IA

CAFE EXPRESS
DALLAS, TX

TERRA BISTRO RESTAURANT
VAIL, CO

QOBBA MEXICAN GRILL
LEXINGTON, KY

ISAAC HAYES RESTAURANT
MEMPHIS, TN

HARD ROCK CAFE
PHOENIX, AZ

CITY STREETS
DALLAS, TX

EL DORADO BAR
COLUMBUS, OH

NEW YORK, NY HOTEL & CASINO
EMPIRE BAR
LAS VEGAS, NV

KONA GRILL
KANSAS CITY, MO

BACKYARD GRILL
PLANO, TX

SOUTH CITY GRILL
JERSEY CITY, NJ

LORAINÉ'S LUNCH BASKET
ROCHESTER, NY

GILLEY'S NIGHT CLUB
DALLAS, TX

SCOTTIE'S BREW HOUSE
MUNCIE, IN

MAMACITA'S RESTAURANT
SAN ANTONIO, TX

TORTILLA JOE'S AT DISNEYLAND
AHAHEIM, CA

HOUSE OF BLUES
DALLAS, TX

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" 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	1.15	1.15	1.15	.90

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. Don 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 overspray.
- 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.
HOUSTON, TX 77045
Office: (800) 444-1252
Fax: (713) 433-2029
Email: icc@spray-on.com
Website: www.spray-on.com

Professionally installed by: