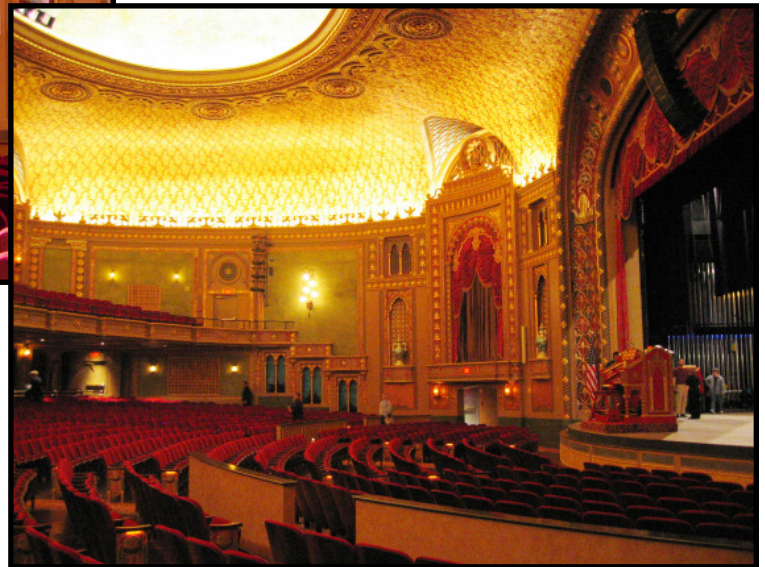


Tennessee Theatre
Memphis, TN



ACOUSTICAL CONSULTANT

Kirkegaard Associates
Chicago, IL

DETAILS

SonaSpray “fc”, Special Color
1” Thickness

The Tennessee Theater, located in the heart of downtown Knoxville, is known as the Official State Theater of Tennessee and is listed on the National Register of Historic Places. The theater first opened its doors back in 1928 and over the next 77 years hosted a wide variety of events including classical music performances, vintage films, dance, theater, and music concerts. In 2005, the theater underwent a \$23 million major historic renovation.

The renovation presented a challenge: preserve and restore the historical elements while providing superior acoustics that would accommodate all types of performances held at the theater. The renovation included an enlarged orchestra pit, modernization

of theater & AV equipment, and restoration of all surfaces throughout the lobby, lounge, foyers and auditorium. Kirkegaard Associates, one of the world’s leading acoustical design firms, was brought in to overcome this design challenge.

The goal was met by integrating the the proper acoustic finishes, acoustic materials and AV systems design. One of the products incorporated into the design was SonaSpray “fc” acoustical finish, which was spray-applied to wall surfaces within the performance area. A special blend of SonaSpray “fc” was manufactured by International Cellulose Corporation and then painted to meet the specified acoustical requirements and to match

the existing color scheme of the theater.

SonaSpray “fc” was chosen for it’s superior sound absorption qualities, attractive finish and availability of specially matched colors. At a thickness of 1”, SonaSpray “fc” delivers an unequalled NRC of 0.90.

SonaSpray “fc” provides an attractive, high performance solution to acoustical objectives in both new construction and renovation projects. Typical installations include sanctuaries, schools, libraries, theaters, restaurants, offices and many more. For more information on this project or a similar application, contact ICC today at **(800) 444-1252** or visit us online at **www.spray-on.com**.

PARTIAL LIST OF SIMILAR PROJECTS

House of Blues

Chicago, IL
Cleveland, OH
San Diego, CA
Anaheim, CA (Disneyland)
Las Vegas, NV
Myrtle Beach, SC

Alley Theater

Houston, TX

Country Music Hall of Fame

Nashville, TN

Encore Theater

Houston, TX

Kimball Theater

Williamsburg, VA

Lucky Lockett Theater

Little Rock, AR

Overture Performing Arts Theater

Madison, WI

Emory Performing Arts Theater

Atlanta, GA

Saenger Historical Theater

New Orleans, LA

Starlight Theater

Kansas City, MO

White Concert Hall

Topeka, KS

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. 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 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
800/444-1252
713/433-2029 (FAX)
www.spray-on.com

Professionally installed by: