

**SonaSpray® "fc"**  
αcoustical treatment

# PROJECT DESIGN SOLUTIONS

## HOUSES OF WORSHIP

ICC PRODUCTS  
WILL NOT SUPPORT  
MOLD OR MILDEW  
PER ASTM  
C 739



### PROJECT

Saint Thomas Moore Catholic  
Church - Glendale, AZ

### DETAILS

White SonaSpray 'fc'®  
1" Thickness  
18,000 Square Feet

### ARCHITECT

DLR Group  
Phoenix, AZ

The newly constructed Saint Thomas Moore Catholic church was designed with a balance of modern and traditional architectural elements. Early in the design stages, acoustical engineers for the project recognized the need for an acoustical treatment.

SonaSpray 'fc' was chosen for its high NRC values (.90 at 1 inch) and because it would not draw attention away from the focal elements like the stained glass windows or the black marble and granite Baptismal. Special attention was also given to the detail work of the SonaSpray 'fc' so that it would be complimentary to the other elements and not detract from the aesthetics of the arched ceiling.

Made from recycled cellulose fibers, SonaSpray 'fc' is a completely safe and non-toxic material. Additionally, SonaSpray 'fc' is highly flame resistant and does not contribute to mold growth. SonaSpray 'fc' is certified as a 'green' product by the USGBC.

Pre-engineered buildings, churches, arenas, schools, restaurants, TV sound stages, and recording studios are just a few of the many types of projects that benefit from SonaSpray 'fc'. Contact International Cellulose Corporation today at **(800) 444-1252** or visit [www.spray-on.com](http://www.spray-on.com) for complete details on how SonaSpray 'fc' can improve your new construction and renovation projects.

**PARTIAL LIST OF  
SIMILAR PROJECTS**

ABUNDANT LIFE FELLOWSHIP  
PILOT, VA

BETHANY BEACH CHRISTIAN CENTER  
BETHANY BEACH, DE

FIRST ASSEMBLY OF GOD  
NEW YORK, NY

CENTRAL UNITED METHODIST CHURCH  
ALBUQUERQUE, NM

FAITH EPISCOPAL CHURCH  
CAMERON PARK, CA

SAINT BEDE CATHOLIC CHURCH  
WILLIAMSBURG, VA

SAINT HELENS CHURCH  
DAYTON, OH

JONESBORO HEIGHTS BAPTIST  
SANFORD, NC

AUBURN CHURCH OF NAZARENE  
AUBURN, IL

SAINT MARGARET OF YORK CATHOLIC  
CHURCH  
LOVELAND, OH

SAINT THOMAS BECKET CATHOLIC  
CHURCH  
RESTON, VA

BEACH GROVE CHURCH  
INDIANAPOLIS, IN

SPRINGHILL CHURCH  
LATHAM, MO

ASAINST JOSEPH CATHOLIC CHURCH  
FORT JENNINGS, OH

BONDURAT CHRISTIAN CHURCH  
BONDURAT, IA

FRIENDSHIP WEST COMMUNITY  
BAPTIST  
DALLAS, TX

EAST GRAND BAPTIST CHURCH  
DALLAS, TX

ZIONSVILLE CHURCH  
ZIONVILLE, IN

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

**PART 1-GENERAL**

**1.01 Work Included:**

- A. The work to be performed under this section shall include all materials, equipment, labor and services required to install the sprayed cellulose fiber in accordance with these specifications and as indicated on the drawings if applicable.
- B. A representative surface of not less than 100 square feet shall be sprayed and approved by the Architect and/or Owner prior to proceeding.

**1.02 Related Work**

- 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 Systems Description/Quality Assurance:**

- A. Contractor must use a total system, encompassing equipment, fiber and adhesive as supplied and tested by the manufacturer. No substitution may be made.
- B. Contractor must be licensed and trained by the manufacturer.

**1.04 Submittals:**

- A. Provide two copies of independent test reports of:

**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" <sup>1</sup>	.08	.16	.46	.87	1.07	1.12	.65
0.75" <sup>2</sup>	.25	.36	.74	.98	.99	.99	.75
0.75" <sup>3</sup>	.17	.58	.91	.89	.87	.84	.80
1.00" <sup>1</sup>	.12	.38	.88	1.16	1.15	1.15	.90

<sup>1</sup>on solid backing <sup>2</sup>on lath/plaster <sup>3</sup>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

- B. Manufacturer's written certification that product contains no asbestos, fiberglass or other man made mineral fibers.

**1.05 Product Delivery, Storage and Handling:**

- A. Materials shall be delivered in original, unopened containers bearing name of manufacturer, product identification and reference to U.L.
- B. Store materials off ground, under cover and away from damp surfaces and keep material dry at all times.
- 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 Treatment \_\_\_\_\_
- B. SonaSpray "fc" Dura-K \_\_\_\_\_
- C. Color \_\_\_\_\_

*\*Color selection will affect price.*

**PART 3-EXECUTION**

**3.01 Inspection-Preparation-Installation:**

- A. The acoustical contractor shall examine all surfaces and report all unsatisfactory conditions in writing to the General Contractor and Architect. The work shall not proceed until unsatisfactory conditions are corrected.
- B. Provide masking, drop cloths or other satisfactory coverings for all materials/surfaces which are not to receive insulation so as to prevent damage from overspray.
- C. Surfaces to receive spray insulation shall be inspected prior to application to determine if priming/sealing is required to insure bonding and/or to prevent discoloration by migratory stains. Prime accordingly.
- D. The work shall be coordinated with other trades whose work may be affected or have an effect on the installation.
- E. Installation, clean-up and curing shall be accomplished according to the manufacturer's recommendations and common construction standards.
- F. The sprayed acoustical material shall be applied to an average thickness to achieve an NRC of .65 or greater.
- G. Provide natural or mechanical ventilation continuously to properly cure the insulation.



12315 ROBIN BLVD.  
HOUSTON, TX 77245

800/444-1252

713/433-6701

713/433-2029 (FAX)

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**Professionally Installed by:**



**Minimum 80% recycled content**