



# Clayville Insulation Inc.

## Project Profile

### Spray-Applied Thermal Insulation and Acoustical Finishes



#### PROJECT

Twin Falls Reformed Church  
Twin Falls, ID

#### DETAILS

Special Oak Buff SonaSpray 'fc'<sup>®</sup>  
1/2" Thickness  
15,000 Square Ft

The newly constructed Twin Falls Reformed Church was designed with high vaulted ceilings and an octagonal interior. Exterior elements were taken from traditional Greco-Roman influences, with large columns and wide, gabled roofs.

The large open interior was recognized early as a potential acoustical problem. Designers needed an acoustical material that would not detract from the beauty and openness of the high gabled ceilings. Acoustical panels or baffles would have given the ceiling a patchwork appearance and the ceiling would appear lower and more claustrophobic.

SonaSpray 'fc' provides high acoustical values and does not interfere with the aesthetics of the ceiling. The special Oak Buff color blended well with the other interior designs, drawing

attention to the center of the room. (See reverse side)

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

For more information on this project or a similar application call Clayville Insulation at (208) 678-9791 or fax (208) 678-9784.

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.



**INTERNATIONAL  
CELLULOSE  
CORPORATION**

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Professionally installed by:

**Clayville Insulation**

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