

SonaSpray[®] "fc" DESIGN SOLUTIONS

Acoustical treatment

ICE RINKS



PROJECT

**Taylor Sportsplex
Taylor, MI**

DETAILS

SonaSpray "fc"[®] 27,000 sq.ft.

CONSULTANT

**Kolano and Saha Engineers, Inc.
Waterford, MI**

The Taylor SportsPlex offers the opportunity for the residents of Taylor, a suburb of Detroit, to enjoy figure skating, hockey, indoor soccer, roller hockey and other recreational activities. The city wanted to rent space for other events like graduations, concerts, and conventions. They quickly realized they would need to

improve the acoustics. They contacted Kolano and Saha Engineers, Inc. of Waterford, MI who recommended a .75 inch application of SonaSpray Arctic White to the 1.5" metal deck. Arctic White SonaSpray[®] "fc" was chosen for its high light reflectivity and ability to reduce echo and reverberation. But there was a catch; the work had to be completed while the ice was installed and within 7 days. The job was completed in 6 days. At 3/4", SonaSpray "fc" on a ribbed metal deck provides an NRC of .80.

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**.

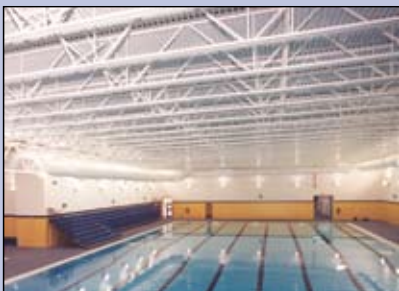
SIMILAR SONASPRAY "FC" PROJECTS



Iola Aquatic Center
Iola, WI



Greensburg High School
Greensburg, IN



U.S. Navy Seals
Great Lakes, IL

Section 09212 SonaSpray® "fc" Spray On Acoustical Treatment Specification Guide Rev 11/01

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	1.16	1.15	1.15	.90

¹on solid backing ²on lath/plaster ³on 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

- 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
- 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 over-spray.
- 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.



INTERNATIONAL
CELLULOSE
CORPORATION
12315 ROBIN BLVD.
HOUSTON, TX 77245
Office: (800) 444-1252
Fax: (713) 433-2029
Email: icc@spray-on.com
www.spray-on.com

Professionally installed by:

