



PROJECT

Long Lines Recreation Center
Tyson Event Center
Sioux City, IA

ARCHITECT

Ellerbe Becket Inc.
Kansas City, KS

DETAILS

SonaSpray "fc" Arctic White
12,000 Square Feet
1/2" Thickness

The Long Lines Recreation Center underwent a major renovation in 2003 that included an asbestos abatement. Asbestos was used in numerous construction projects between the 1930's and mid 1970's. When researchers began linking asbestos to many health problems including cancer, the material was prohibited for use in new

construction and an abatement process was ordered for asbestos already in use.

The asbestos in the Long Lines Recreation Center was completely removed and a new acoustical material was needed to control the noise levels within the center. SonaSpray "fc" was the perfect choice.

SonaSpray "fc" is a spray-applied acoustical finish that is treated to be highly fire resistant. It is certified as a Class-1, Class-A fire barrier per ASTM-E84 and ideal for asbestos abatement.

The center also needed an acoustical product to control noise levels found within recreational settings. Children participating in various sports activities can create excessive noise that must be controlled or it simply becomes unbearable.

With the 1/2" application of SonaSpray "fc", an impressive NRC (Noise Reduction Coefficient) of .65 was achieved. With this reduction, the entire center becomes more enjoyable for both players and spectators.

SonaSpray "fc" bonds to virtually all common construction materials including: dry wall, plaster, wood, metal and concrete. Combined with a patented adhesive, it provides a strong, durable and resilient surface that resists impact and abrasions.

For new construction or renovation projects, International Cellulose Corporation's family of products offer the ideal ceiling treatment for any thermal or acoustical insulation need. Contact ICC today at (800) 444-1252, or visit us online at www.spray-on.com for complete details on how ICC can improve your building projects.

PARTIAL LIST OF
SIMILAR PROJECTS



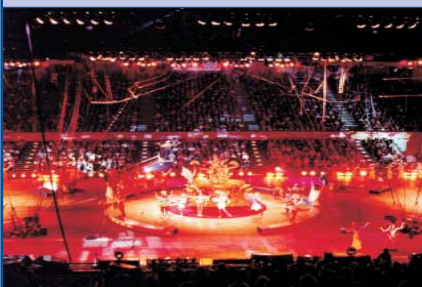
Western Racquet Fitness Club
Elm Grove, WI



Bally Total Fitness
Multiple Locations



Comiskey Park
Chicago, IL



Reed Arena
College Station, TX

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 ^{o1}	.08	.16	.46	.87	1.07	1.12	.65
0.75 ^{o2}	.25	.36	.74	.98	.99	.99	.75
0.75 ^{o3}	.17	.58	.91	.89	.87	.84	.80
1.00 ^{o1}	.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 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.



12315 ROBIN BLVD.
HOUSTON, TX 77045
800/444-1252
713/433-2029 (FAX)
www.spray-on.com

Professionally Installed By: