

AN ACOUSTICAL FINISH CASE STUDY FROM INTERNATIONAL CELLULOSE



PROJECT	Lunello Restaurant Cedar Grove, NJ
ACOUSTICAL CONSULTANT	Lewis S. Goodfriend & Assoc. Whippany, NJ
DETAILS	SonaKrete 2,500 sq. ft. @ 1/2" Integral Suede Color

Maintaining the original look of a ceiling is critical, particularly in historical and high profile designer situations. The elegant dining areas of the Lunello Restaurant had noise problems that were so bad that customers left with complaints, some vowing to never come back until the noise problem was corrected. Management contacted Matt Murello, PE and President of the acoustic consulting firm of Lewis S. Goodfriend & Associates, for advice. Matt recommended spraying 2,500 sq. ft. of ceilings in matching suede color SonaKrete.

The restaurant management wasn't completely convinced that spraying the ceiling would do the job. Matt convinced them to do just one small room for starters. The very next day, management called Matt and asked "how fast can you get those acoustical guys back out here to get the other two rooms and the bar treated"? During that time, incoming clients specifically asked to be seated in "the quiet room". Each room

was sprayed in one day, Monday, when the restaurant was closed. Custom gold tinted SonaKrete was used in the bar area. SonaKrete is a LEED Certified, premium acoustic finish manufactured by International Cellulose of Houston, TX.

When it comes to performance, durability and good looks, hand-trowelled SonaKrete is in a league all its own. SonaKrete at only 1/2" provides an NRC of .65. That equates to a lower installed cost than traditional 1" thick-sprayed acoustic plaster systems. The two standard colors of SonaKrete are White and Arctic White. Virtually any custom integral color is available. This gives your design team an opportunity to become very creative.

Only the ICC licensed contractors, who we would describe as the Michaelangelo's of the spray acoustics industry, install SonaKrete. SonaKrete is also ideal for worship centers, museums, libraries, offices, lobbies, boardrooms, correctional facilities, and wherever performance, appearance and durability call for only the very best. Contact International Cellulose at **1-877-790-9367** for samples and complete technical data. We also invite you to our website at www.sonakrete.com. ICC even provides architects an AIA/CES program on the subject of Spray-Applied Acoustic Finishes.

Other Unique SonaKrete Applications



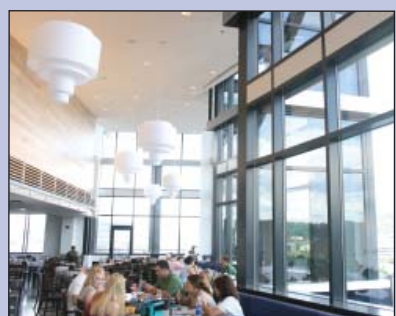
Riverside Theater
Vero Beach, FL



Bedens Brook Club
Skillman, NJ



Johnson & Johnson University
Providence, RI



American Eagle
Pittsburgh, PA



SonaKrete is manufactured with a minimum of 80% recycled content which makes it ideal for "Sustainable Design" LEED projects.

Section 09 83 00 SonaKrete™ Acoustical Finish Specification Guide

INTRODUCTION

This specification is designed to enable the design professional or specification writer to select the NRC value that best suits the project's requirements. Please edit the NRC value in section 3.03 Line A.

PART 1 – GENERAL

1.01 Section Includes

- A. SonaKrete™ acoustical finish system.

1.02 Project Scheduling

- A. Clips, hangers, supports, sleeves and other attachments to the substrate are to be placed by other trades prior to the application of acoustical finish.
- B. Ducts, piping, conduit or other suspended equipment shall not be positioned until after the application.

1.03 Submittals

- A. Submit one copy of the manufacturer's ISO 9001:2000 Certification.
- B. Submit 2 copies of the test reports indicating compliance with the following:
 1. NRC values per ASTM C-423 conducted by a NVLAP certified testing laboratory:

Inches	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC
.25"	.01	.07	.39	.69	.83	.87	.50
.375"	.06	.11	.46	.77	.84	.89	.55
.50"	.01	.16	.49	.89	1.03	.97	.65
.75"	.25	.48	.81	.85	.85	.94	.75

2. Class 1 Fire Rating per ASTM E-84

- C. Submit one copy of the manufacturer's written certification that the materials contain no asbestos, fiberglass or other man-made mineral fibers.
- D. Applicator's certificate: Manufacturer's approval of applicator.
- E. Submit 2 8"x8" samples from the manufacturer.

1.04 Quality Assurance

- A. The Manufacturer must be ISO 9001:2000 Certified.
- B. The Applicator: Must be approved by International Cellulose in performing work of this Section.
- C. Field samples:
 1. Construct one field sample panel, 10'x10', to specified thickness to illustrate texture and color.
 2. Prepare the sample using the same tools and techniques to be used for the actual application.
 3. Locate the sample where directed.
 4. The applicator will inform the project architect when the sample is ready for review.
 5. Do not start the actual application until the architect has approved the field sample.

1.05 Delivery, Storage and Handling

- A. Deliver in original, unopened containers bearing name of manufacturer and product identification.

- B. Store materials dry, off ground and under cover.
- C. Protect liquid adhesive, sealers & additives from freezing.

1.06 Project Conditions

- A. The air temperature in the room must be a minimum of 40° F and maintained until the material has cured.
- B. The substrate temperature must be a minimum of 40° F.
- C. The General Contractor to provide ventilation to ensure proper curing.

PART 2 – PRODUCTS

2.01 Acceptable Manufacturers

- A. International Cellulose Corporation
12315 Robin Boulevard
Houston, Texas 77045
877-790-9367
FAX: (713) 433-2029

2.02 Materials

- A. SonaKrete™ Acoustical Finish System
- B. SonaPrep
- C. Water – Potable
- D. Color shall be:
 - White Arctic White
 - Custom Color _____

PART 3 – EXECUTION

3.01 Examination

- A. Examine the substrate surfaces and report unsatisfactory conditions in writing. Do not proceed until unsatisfactory conditions are corrected.
- B. Drywall substrates require a minimum Level 3 finish and are to be sealed with SonaPrep.
- C. Plaster substrates require a brown coat finish and are to be sealed with SonaPrep.
- D. Consult International Cellulose for other substrates.

3.02 Preparation

- A. Provide masking, drop cloths or other satisfactory coverings for materials/ surfaces that are not to receive acoustical finish.
- B. Coordinate the installation of the acoustical finish with work of other trades.

3.03 Application

- E. Install to a thickness to achieve an NRC of _____.
- F. Install the acoustical finish according to the manufacturer's written instructions.
- G. After achieving the required thickness and while still wet, float the material to match the approved field sample.
- H. Cure the material with continuous natural or mechanical ventilation.

3.04 Protection

- A. Protect finished installation under provisions of Division 1.

End of Section



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CORPORATION

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