

AN ACOUSTICAL FINISH CASE STUDY FROM INTERNATIONAL CELLULOSE



PROJECT	Continental Restaurant The Pier at Caesar's Atlantic City, NJ
ARCHITECT	Stokes Architecture Philadelphia, PA
DETAILS	SonaKrete 1,000 sq. ft @ 1/2 in Color: Custom SW 6557 Wood Violet

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, which are fragile to the touch and would not be suitable for this kind of installation.

The two standard colors of SonaKrete are White and Arctic White. Virtually any custom integral color is available. This give your design team an opportunity to become very creative.

Project Architect Dave Fastiggi of Stokes Architecture knew in advance that there were going to be some unique acoustic challenges in the Continental Restaurant mod-designed nightclub area. The original thought was to use acoustic panels but that idea didn't seem appropriate because the seams would detract from the smooth, monolithic look they wanted. Dave researched the Internet for spray-applied acoustic finishes and found SonaKrete, a LEED Certified acoustic finish manufactured by International Cellulose Corporation of Houston, TX. The ability to be manufactured with an integral custom Sherwin Williams 6557 Wood Violet color made SonaKrete a logical product of choice for the curved walls and ceiling surfaces. When it comes to performance, durability and good

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 or visit our website at www.sonakrete.com. Want to learn more? ICC also offers architects an AIA/CES program on the subject of Spray-Applied Acoustic Finishes.

**Other Custom Integral Color
SonaKrete Applications**



**Valdosta University
Valdosta, GA**



**Lunello Restaurant
Cedar Grove, NJ**



**Johnson & Wales University
Providence, RI**



**Badger Mutual Insurance
Milwaukee, WI**



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



**INTERNATIONAL
CELLULOSE
CORPORATION**

12315 Robin Blvd.
Houston, TX 77045
877-790-9367
713-433-2029 FAX
www.sonakrete.com