

Section 09 83 16
SonaKrete® Acoustical Finish System
Specification Guide 04/23

PART 1 – GENERAL

1.01 Section Includes

- A. Sprayed cellulose acoustical finish system. (09 83 16)

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 the acoustical finish system.
- B. Ducts, piping, conduit or other suspended equipment shall not be positioned until after the application of the acoustical finish system.
- C. Roof penetrations to be installed prior to application.

1.03 Quality Assurance

- A. Manufacturer must be in compliance with the 2009-2021 International Building Code.
- B. Manufacturer must be ISO 9001:2015 Certified.
- C. Manufacturer shall have a minimum 10-year successful performance history of producing and installation of spray-applied cellulose on similar projects
- D. Manufacturer must be Forest Stewardship Council (FSC) Chain-of-Custody Certified.
- E. Applicator: Licensed by manufacturer.
- F. Mock-up: Apply a 100 square foot representative sample to be reviewed by the Architect and/or Owner prior to proceeding.(expand to include field sample instructions)?
- G. Material must be tested in accordance with ASTM E 1042 by a NVLAP accredited testing laboratory.

1.04 Submittals

- A. Submit product data that the product meets or exceeds the following specified requirements.
 - 1. Bond strength shall be greater than 100 psf per ASTM E 736.
 - 2. Product shall be Class 1 Class A per ASTM E 84.
 - 3. Non-corrosive per ASTM C 1149
 - 4. Comply with 2015 IBC Section 803.12 stability requirements for interior finishes.
 - 5. Product shall be Cradle to Cradle® Certified v.3.1 or higher to a minimum certification level of Bronze
 - 6. Product shall be UL GREENGUARD Gold Certified
 - 7. Product must have a publicly available Health Product Declaration (HPD) to 100 PPM
 - 8. Product must have a third-party verified, publicly available, product-specific Environmental Product Declaration per ISO 14025
- B. Manufacturer's written certification that product contains no asbestos, fiberglass or other man-made mineral fibers.
- C. Copy of manufacturer's ISO 9001:2015 Certification.
- D. Minimum Fiber Recycled Content to be 75%.
- E. Cannot contain any added Urea-Formaldehyde Resins.

1.06 Delivery, Storage and Handling

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

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- B. Store materials dry, off ground, and under cover.
- C. Protect liquid adhesive from freezing.
- D. Water to be potable.

PART 2 – PRODUCTS

2.01 Acceptable Manufacturers

- A. International Cellulose Corporation
12315 Robin Boulevard
Houston, Texas 77045
Phone: (713) 433-6701 or (800) 444-1252
Fax: (713) 433-2029
Website: www.spray-on.com
Email: icc@spray-on.com
- B. For approved applicators contact ICC at (800) 444-1252.

2.02 Materials

- A. SonaKrete® Acoustical Finish System
 - 1. Color shall be from Manufacturer's standard color chart or custom color as noted
 - 2. Each bag must be labeled appropriately.
 - 3. Each drum of adhesive must be labeled "SonaKrete® Adhesive".

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 application of acoustical finish to determine if priming/sealing is required to insure 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 acoustical finish to protect from over-spray.
- B. Coordinate installation of the acoustical finish system with work of other trades.
- C. Prime surfaces as required by manufacturer's instructions or as determined by examination.
- D. General substrate preparation may include; but is not limited, to the following:
 - 1. Gypsum/Drywall Substrates: A minimum level 3, preferably level 4 primed finish is recommended.
 - 2. Drywall substrates are to be primed with a suitable drywall primer such as: Sherwin Williams® Multi-Purpose Water-Based Acrylic Alkyd.
 - 3. The use of Quickset, Quicksand, Drywall Joint Compound is not acceptable.
 - 4. Plaster substrates may require brown coat finish.
 - 5. Consult the manufacturer for other substrates.

3.03 Installation

- A. Install acoustical finish system according to manufacturer's recommendations.
- B. Comply with local Building Code requirements.
- C. Install the acoustical finish system to achieve an average NRC of ____.

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SonaKrete® Acoustical Finish System on Solid Backing:	
Thickness:	NRC:
0.25"	0.50
0.375"	0.55
0.50"	0.65
0.75"	0.75

Acoustical testing performed by NVLAP certified testing lab.

- D. After achieving the required thickness and while still wet, float the material to match the approved field sample.
- E. Cure the material with continuous natural or mechanical ventilation.
 - a. Continuous ventilation must be maintained until the material has properly cured
- F. Remove and dispose of over-spray.

4.01 Protection

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

END OF SECTION