

Section 09212

SonaSpray "fc" Spray-On Acoustical Treatment Specification Guide

PART 1 - GENERAL

1.01 Work Included:

- .1 The work to be performed under this section shall include all materials, equipment, labor and services required to install the sprayed cellulose fiber in accordance with these specifications and as indicated on the drawings if applicable.
- .2 A representative surface of not less than 100 square feet shall be sprayed and approved by the Architect and/or Owner prior to proceeding.

1.02 Related Work:

- .1 Clips, hangers, supports, sleeves and other attachments to spray bases are to be placed by other trades prior to the application of sprayed insulation.
- .2 Ducts, piping, conduit or other suspended equipment shall not be positioned until after the application of sprayed insulation.
- .3 General Information 01000

1.03 Systems Description/Quality Assurance:

- .1 Contractor must use a total system, encompassing equipment, fiber and adhesive as supplied and tested by the manufacturer. No substitution may be made.
- .2 Contractor must be licensed and trained by the manufacturer.

1.04 Submittals:

- .1 Provide two copies of independent test reports of:

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

¹⁾on solid backing ²⁾on lath/plaster ³⁾on ribbed metal deck

Flame Spread Index 5 ASTM E-84/UL723

Smoke Developed 5 ASTM E-84/UL723

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

- .2 Manufacturer's written certification that product contains no asbestos, fiberglass or other man made mineral fibers.

1.05 Product Delivery, Storage and Handling:

- .1 Materials shall be delivered in original, unopened containers bearing name of manufacturer, product identification and reference to U.L.

- .2 Store materials off ground, under cover and away from damp surfaces and keep material dry at all times.

- .3 Protect liquid adhesive from freezing.

PART 2 - PRODUCTS

2.01 Acceptable Manufacturers:

- .1 Can-Cell Industries Inc.
14715 - 114 Avenue; Edmonton, AB T5M 2Y8
(403) 447-1255 or (800) 661-5031
FAX: (403) 447-1034
- .2 Other Production/Distribution Locations
Langley, BC (604) 513-8830
Kelowna, BC (250) 861-5212
Prince George, BC (250) 961-5895
Nanaimo, BC (250) 754-2943
Grande Prairie, AB (780) 512-0988
Edmonton, AB (780) 447-1255
Calgary, AB (403) 275-4133
Saskatoon, SK (306) 934-0033
Regina, SK (306) 359-1100
Winnipeg, MB (204) 233-8526

2.02 Materials:

- .1 SonaSpray "fc" Acoustical Treatment _____
- .2 SonaSpray "fc" Dura-K _____
- .3 Color _____

* Color selection will affect price.

PART 3 - EXECUTION

3.01 Inspection-Preparation-Installation:

- .1 The acoustical contractor shall examine all surfaces and report all unsatisfactory conditions in writing to the General Contractor and Architect. The work shall not proceed until unsatisfactory conditions are corrected.
- .2 Provide masking, drop cloths or other satisfactory coverings for all materials/surfaces which are not to receive insulation so as to prevent damage from overspray.
- .3 Surfaces to receive spray insulation shall be inspected prior to application to determine if priming/sealing is required to insure bonding and/or to prevent discoloration caused by migratory stains. Prime accordingly.
- .4 The work shall be coordinated with other trades whose work may be affected or have an effect on the installation.
- .5 Installation, clean-up and curing shall be accomplished according to the manufacturer's recommendations and common construction standards.
- .6 Provide natural or mechanical ventilation continuously to properly cure the insulation.

3.02 Schedule:

- .1 **Provide a schedule when insulation requires listing by color, insulation value, NRC values and other attributes.**