



Dustin Construction
 2510 Urbana Pike Suite 201
 ljamsville, Maryland 21754
 P: (301) 810-4320

Project: 1-164 Poolesville HS
 17501 West Willard Road
 Poolesville, Maryland 20837

Submittal #09 81 29-1.0 - Sprayed Acoustic Insulation - Product Data 09 81 29 - Sprayed Acoustic Insulation

Revision	0	Submittal Manager	Austin Hunt (Dustin Construction, Inc.)
Status	Open	Date Created	Nov 29, 2021
Issue Date		Spec Section	09 81 29 - Sprayed Acoustic Insulation
Responsible Contractor	Oliff Construction Inc.	Received From	
Received Date		Submit By	Feb 28, 2022
Final Due Date	Apr 5, 2022	Lead Time	
		Cost Code	
Location		Type	Other
Approvers	Austin Hunt (Dustin Construction, Inc.), Macy Carman-Goeke (VMDO Architects), Robin Eshleman (VMDO Architects)		
Ball in Court	Macy Carman-Goeke (VMDO Architects), Robin Eshleman (VMDO Architects)		
Distribution	Scott Rollins (Montgomery County Public Schools), Jennifer Roberts (Dustin Construction, Inc.), Shawn Mulligan (VMDO Architects), Brian Grueztmacher (VMDO Architects), Kyle Forman (Montgomery County Public Schools), Chris Deraleau (Montgomery County Public Schools), Dennis Cross (Montgomery County Public Schools)		
Description	A. Product Data: For each type of product. Permit and Bid Documents: 22.OCT.2021		
Priority	Normal Priority		

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					
William Oliff		Feb 21, 2022		Pending	
Philip Schleifer		Feb 21, 2022	Mar 11, 2022	Submitted	Poolesville Submittal Sprayed Acoustic Insulation Product data.pdf
Austin Hunt	Mar 15, 2022	Feb 28, 2022	Mar 15, 2022	Approved For Review	PHS 09 81 29-001-000 Sprayed Acoustic Insulation-Product Data 220315.pdf (Current)
Comment	Please review attached Sprayed Acoustic Insulation Product data submittal.				
Macy Carman-Goeke	Mar 15, 2022	Apr 5, 2022		Pending	
Robin Eshleman	Mar 15, 2022	Apr 5, 2022		Pending	

Contractor's Submittal Cover Sheet



Project: Poolesville High School
17501 West Willard Road
Poolesville MD 20837

CM: Dustin Construction, Inc.
2510 Urbana Pike, Suite 201
Ijamsville, MD 21754
Contact: Austin Hunt

Architect: VMDO
1200 18th Street NW Ste 700
Washington, DC 20036
Contact: Shawn Mulligan

Contractor: Oliff Construction
5115 Berwyn Rd
College Park MD 20740
Contact: Philip Schleifer

Dustin Submittal Register / Log Number: 09 81 29-001-000
Dustin Submittal Register / Log Description: Sprayed Acoustic Insulation-Product Data

Contractor Submittal Number: 098129
Contractor Submittal Description: Sprayed Acoustic Insulation product Data

Manufacture: Southern Insulation
Manufacture Address: 5218-20 Monroe Place Hyattsville MD 20781
Supplier: Southern Insulation
Supplier Address: 5218-20 Monroe Place Hyattsville MD 20781

Deviations from the Contract:

Provide a list of any deviations from the Contract Documents, including, but not limited to, any alternate manufacturers:

Contractor's Certification

I certify that the Contract Document requirements have been met and all dimension, conditions and quantities are verified as shown and/or as corrected on those drawings.

Signature: Philip Schleifer
Company: Oliff Construction
Name: Philip Schleifer
Date: 3/11/2022

Issued: 04/05/2022
To: Jen Roberts
Dustin Construction
2510 Urbana Pike Suite 201
Ijamsville, Maryland

Poolesville High School
VMDO Project No. 1294
Owner Project No. xxx

From: Macy Carman-Goeke
Copy: Brian Gruetzmacher (VMDO), Shawn Mulligan (VMDO), Robin Eshleman (VMDO), Austin Hunt (Dustin), Scott Rollins (MCPS), Chris Deraleau (MCPS), Dennis Cross (MCPS)

SUBMITTAL: 09 8129-001-000 Sprayed Acoustic Insulation – Product Data	
<p>REVIEW STATUS:</p> <input type="checkbox"/> No Exceptions Taken <input checked="" type="checkbox"/> Make Corrections Noted <input type="checkbox"/> Revise & Resubmit <input type="checkbox"/> Rejected <input type="checkbox"/> For Record Only <input type="checkbox"/> Review Not Required <input type="checkbox"/> See Comments Below	<p>Corrections and comments made on the shop drawings or listed herein during this review do not relieve the Contractor from compliance with the requirements of the Contract Documents. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. The Contractor is responsible for: confirming and correlating all quantities and dimensions; manufacturers' product information and catalog numbers; selecting fabrication processes and techniques of construction; coordinating the contractor's work with that of other trades; and performing the contractor's work in a safe and satisfactory manner.</p>

Review Comments:

See review comments included.

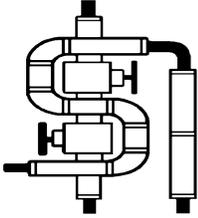
Acoustic Ceiling Spray to be applied above all wood ceilings and in open academic corridors.

Should you have any questions, please contact me.

Thank You

Macy Carman-Goeke, AIA, VMDO

End of Submittal Transmittal



SOUTHERN INSULATION INC.

5218-20 Monroe Place
Hyattsville, Maryland 20781
Phone (301) 985-3050
Fax: (301) 985-3029

TO: Oliff Construction Inc.
5115 Berwyn Road
College Park, MD 20740

10-Mar-22

ATTENTION: Philip Schleifer

RE: Poolesville HS

WE ARE SENDING:

- | | |
|-------------------------------------|-----------------------|
| <input checked="" type="checkbox"/> | ATTACHED |
| <input type="checkbox"/> | BLUE PRINTS |
| <input type="checkbox"/> | SPECIFICATIONS |
| <input checked="" type="checkbox"/> | SUBMITTAL INFORMATION |
| <input type="checkbox"/> | SHOP DRAWINGS |

- | | |
|--------------------------|----------------------|
| <input type="checkbox"/> | UNDER SEPARATE COVER |
| <input type="checkbox"/> | REPORTS |
| <input type="checkbox"/> | OTHERS |
| <input type="checkbox"/> | WARRANTY INFORMATION |

PAGES	DATE	NUMBER	DESCRIPTION
			Shop Drawings
			SonaSpray FC TDS
			SonaSpray FC SDS
			SK-2000 FC SDS
			LEED Information
			Applicators License
			SonaSpray Greenguard Compliance
			Sustainability Credit Information

- | | |
|-------------------------------------|--------------------------------|
| <input type="checkbox"/> | SUBMIT COPIES FOR DISTRIBUTION |
| <input checked="" type="checkbox"/> | FOR YOUR INFORMATION |
| <input checked="" type="checkbox"/> | FOR FILE |
| <input checked="" type="checkbox"/> | FOR REVIEW |

- | | |
|--------------------------|-------------------|
| <input type="checkbox"/> | REVIEWED |
| <input type="checkbox"/> | REVIEWED/COMMENTS |
| <input type="checkbox"/> | REVIEWED/RESUBMIT |
| <input type="checkbox"/> | AS REQUESTED |
| <input type="checkbox"/> | OTHER |

Notes:

Submission of 3/4" SonaSpray SW 7048 Urbane Bronze, and SK-2000 for approval.

FROM:

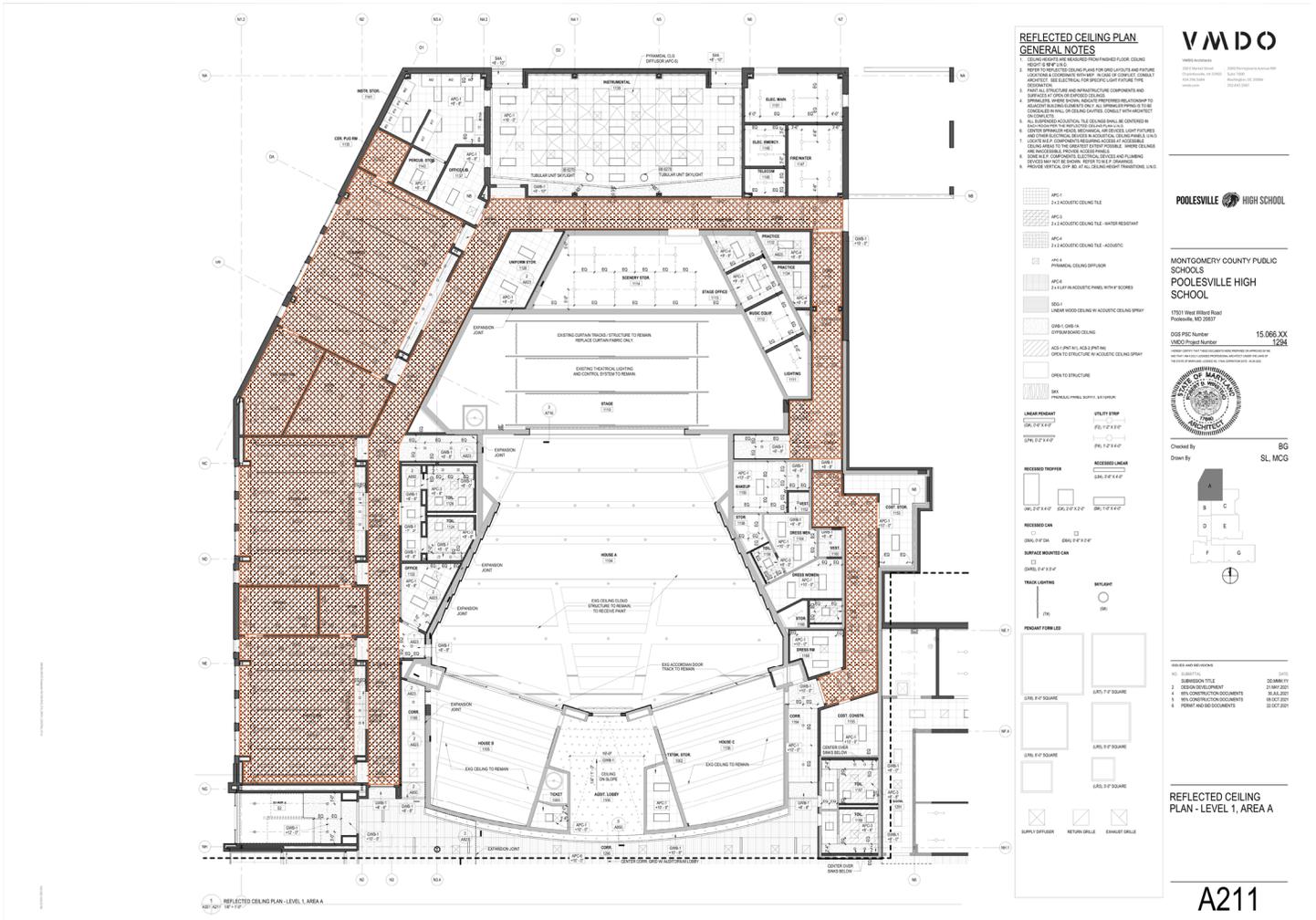
Roger L Walker

Roger Walker
Estimator/Assistant Project Manager

Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
Page: A211



**REFLECTED CEILING PLAN
GENERAL NOTES**

1. CEILING SHALL BE REFLECTED (REFLECTED ACoustic CEILING).
2. REFLECTED CEILING SHALL BE 2' X 4' UNLESS OTHERWISE NOTED.
3. ALL ELECTRICAL AND MECHANICAL COMPONENTS AND SUPPLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL MECHANICAL CODE (NMC).
4. ALL ELECTRICAL AND MECHANICAL COMPONENTS AND SUPPLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL MECHANICAL CODE (NMC).
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9. ALL ELECTRICAL AND MECHANICAL COMPONENTS AND SUPPLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL MECHANICAL CODE (NMC).

LEGEND

- ACUSTIC CEILING TILE
- ACUSTIC CEILING TILE - WATER RESISTANT
- ACUSTIC CEILING TILE - ACUSTIC
- ACUSTIC CEILING SPRAYER
- ACUSTIC CEILING PANEL WITH 4 BEAMS
- LINEAR WOOD CEILING IN ACUSTIC CEILING SPRAY
- OPEN GRID
- OPEN GRID WITH ACUSTIC CEILING
- ACUSTIC CEILING WITH ACUSTIC CEILING SPRAY
- OPEN TO STRUCTURE
- ACUSTIC CEILING WITH 4 BEAMS

LINEAR PENDANT

- LINEAR PENDANT 2' X 4' X 2'
- LINEAR PENDANT 2' X 4' X 2'
- LINEAR PENDANT 2' X 4' X 2'

RECESSED TROFFER

- RECESSED TROFFER 2' X 4' X 2'
- RECESSED TROFFER 2' X 4' X 2'
- RECESSED TROFFER 2' X 4' X 2'

RECESSED CAN

- RECESSED CAN 2' X 4' X 2'
- RECESSED CAN 2' X 4' X 2'
- RECESSED CAN 2' X 4' X 2'

RECESSED LINEAR

- RECESSED LINEAR 2' X 4' X 2'
- RECESSED LINEAR 2' X 4' X 2'
- RECESSED LINEAR 2' X 4' X 2'

TRACK LIGHTING

- TRACK LIGHTING 2' X 4' X 2'
- TRACK LIGHTING 2' X 4' X 2'
- TRACK LIGHTING 2' X 4' X 2'

PENDANT FORM LED

- PENDANT FORM LED 2' X 4' X 2'
- PENDANT FORM LED 2' X 4' X 2'
- PENDANT FORM LED 2' X 4' X 2'

SYMBOLS

- SUPPLY SYMBOL
- RETURN SYMBOL
- EXHAUST SYMBOL

VMDO

17501 West Willard Road
Poolesville, MD 20857

0025 PIC Number 15.066 XX
VMDO Project Number 1294

POOLESVILLE HIGH SCHOOL

MONTGOMERY COUNTY PUBLIC SCHOOLS
POOLESVILLE HIGH SCHOOL

Checked By: BG
Drawn By: SL, MCG

REFLECTED CEILING PLAN - LEVEL 1, AREA A

A211

Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
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Legend	Pitch	Description	SF	LF	EA
		SonaSpray 3/4" SW 7048 Urbane Bronz	7,636.62	1,556.90	88.00

Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
Page: A212

Legend	Pitch	Description	SF	LF	EA
		SonaSpray 3/4" SW 7048 Urbane Bronz	230.27	87.77	8.00

Drawing Report

Poolesville High School - Base Bid

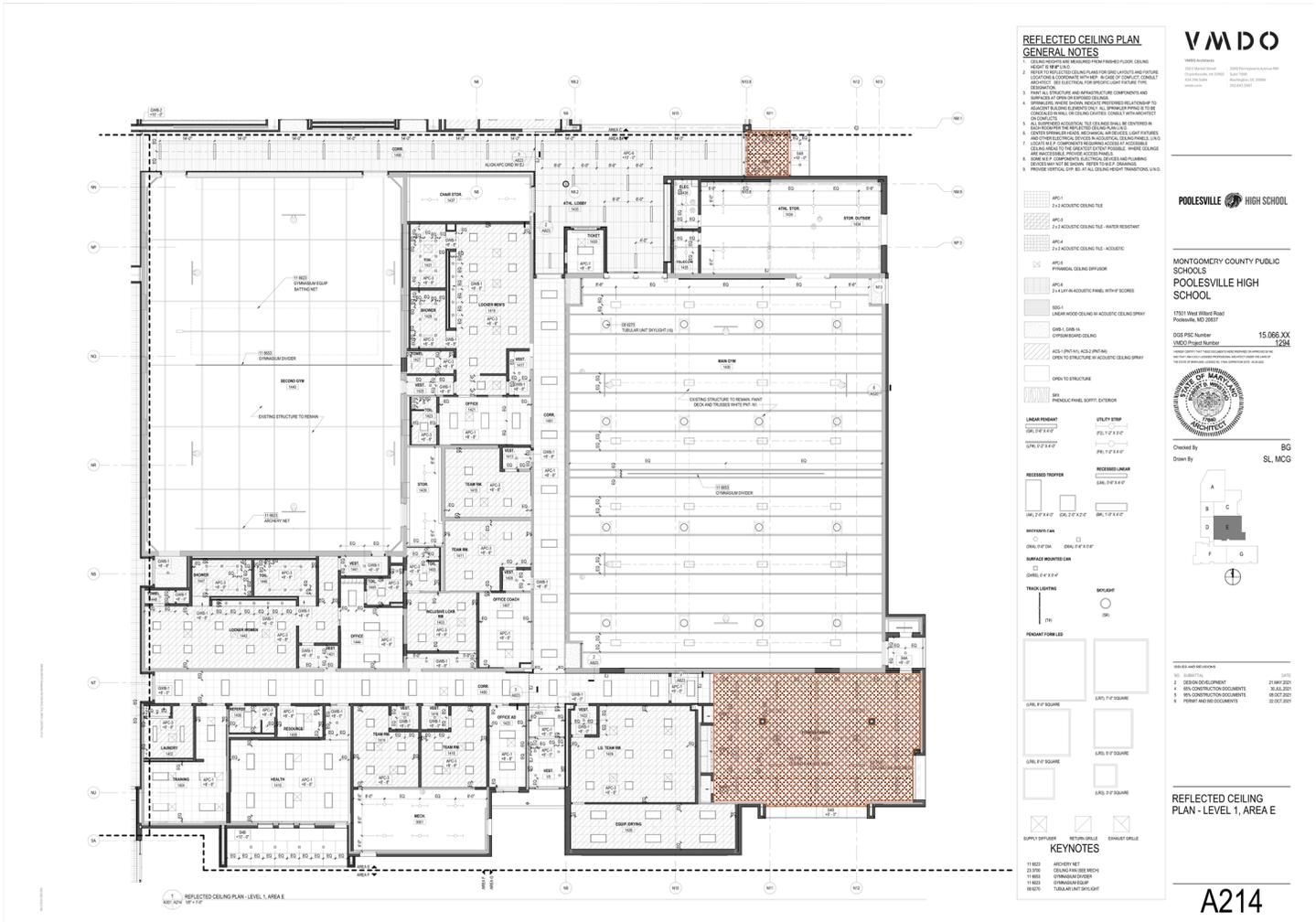
Section: Entire Job
Page: A213

Legend	Pitch	Description	SF	LF	EA
		SonaSpray 3/4" SW 7048 Urbane Bronz	7,699.22	808.18	34.00

Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
Page: A214



PHASE TWO- NOT REVIEWED

Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
Page: A214

Legend	Pitch	Description	SF	LF	EA
		SonaSpray 3/4" SW 7048 Urbane Bronz	1,851.13	231.56	22.00

Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
Page: A215

Legend	Pitch	Description	SF	LF	EA
		SonaSpray 3/4" SW 7048 Urbane Bronz	766.25	217.98	10.00

Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
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ACOUSTIC SPRAY
INSULATION IN ALL
EXPOSED CORRIDOR
CEILINGS.



REFLECTED CEILING PLAN GENERAL NOTES

1. CEILING HEIGHTS SHALL BE MAINTAINED PER THE REFLECTED CEILING PLAN UNLESS OTHERWISE NOTED.
2. REFER TO THE REFLECTED CEILING PLAN FOR ALL CEILING HEIGHTS AND FOR THE LOCATION & COORDINATE OF ALL REFLECTED CEILING PLAN COMPONENTS.
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10. REFER TO THE REFLECTED CEILING PLAN FOR ALL CEILING HEIGHTS AND FOR THE LOCATION & COORDINATE OF ALL REFLECTED CEILING PLAN COMPONENTS.

- AC1 2' x 2' ACOUSTIC CEILING TILE
- AC2 2' x 2' ACOUSTIC CEILING TILE - WATER RESISTANT
- AC3 2' x 2' ACOUSTIC CEILING TILE - ACoustic
- AC4 2' x 2' ACOUSTIC CEILING TILE - ACoustic
- AC5 2' x 2' ACOUSTIC CEILING TILE - ACoustic
- AC6 2' x 2' ACOUSTIC CEILING TILE - ACoustic
- AC7 2' x 2' ACOUSTIC CEILING TILE - ACoustic
- AC8 2' x 2' ACOUSTIC CEILING TILE - ACoustic
- AC9 2' x 2' ACOUSTIC CEILING TILE - ACoustic
- AC10 2' x 2' ACOUSTIC CEILING TILE - ACoustic

- LINEAR PENDANT
- RECESSED PENDANT
- RECESSED CAN
- RECESSED MOUNTED CAN
- TRACK LIGHTING
- PENDANT FURNITURE

- RECESSED PENDANT
- RECESSED CAN
- RECESSED MOUNTED CAN
- TRACK LIGHTING
- PENDANT FURNITURE

- KEYNOTES
- REFLECTED CEILING PLAN - LEVEL 1, AREA G



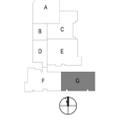
POOLESVILLE HIGH SCHOOL

MONTGOMERY COUNTY PUBLIC SCHOOLS
POOLESVILLE HIGH SCHOOL

1701 West Willow Road
Poolesville, MD 20857



Checked By: BG
Drawn By: MCG, SL



REFLECTED CEILING PLAN - LEVEL 1, AREA G

A216

Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
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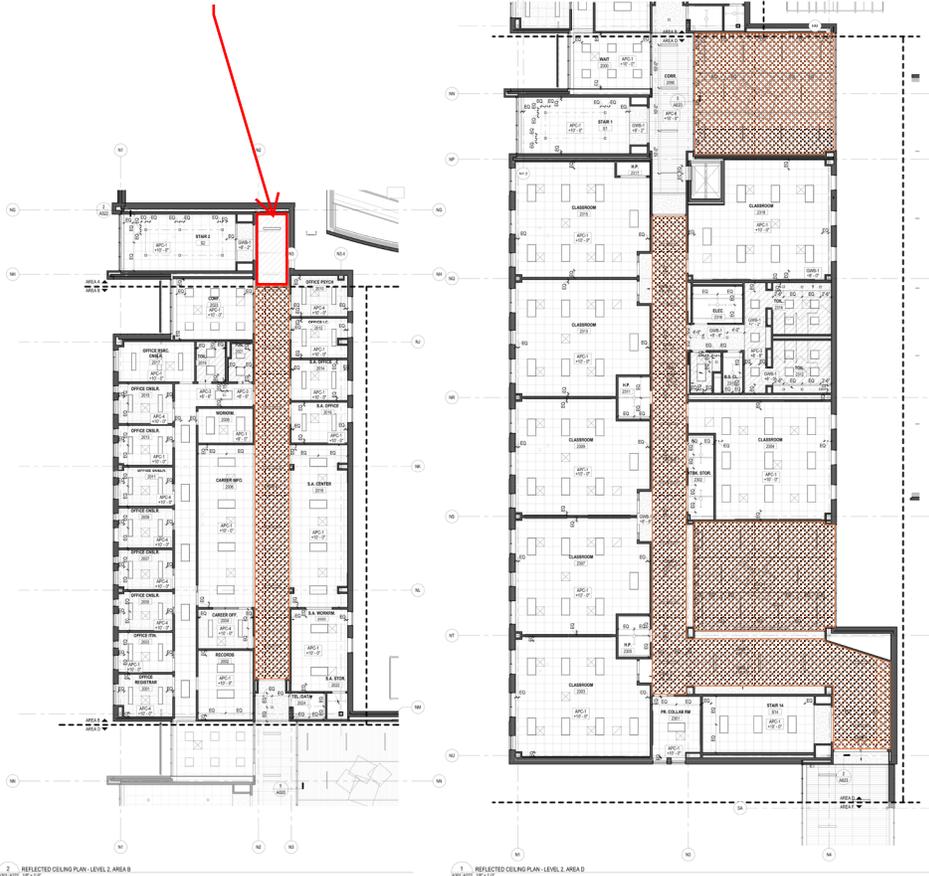
Legend	Pitch	Description	SF	LF	EA
		SonaSpray 3/4" SW 7048 Urbane Bronz	2,415.87	557.61	23.00

Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
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ACOUSTIC SPRAY
INSULATION IN ALL
EXPOSED CORRIDOR
CEILINGS.



**REFLECTED CEILING PLAN
GENERAL NOTES**

1. CEILING HEIGHTS ARE INDICATED BY DIMENSIONS FROM FINISH FLOOR TO FINISH CEILING.
2. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.
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4. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.
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11. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.
12. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.
13. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.
14. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.
15. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.
16. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.
17. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.
18. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.
19. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.
20. REFER TO SHEET 15-010 FOR ALL DIMENSIONS AND FINISHES.

KEYNOTES

- AC1 2'-0" ACOUSTIC CEILING TILE
- AC2 2'-0" ACOUSTIC CEILING TILE - WATER RESISTANT
- AC3 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC4 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC5 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC6 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC7 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC8 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC9 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC10 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC11 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC12 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC13 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC14 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC15 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC16 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC17 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC18 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC19 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC
- AC20 2'-0" ACOUSTIC CEILING TILE - ACOUSTIC

VMDO

POOLESVILLE HIGH SCHOOL

MONTGOMERY COUNTY PUBLIC SCHOOLS
POOLESVILLE HIGH SCHOOL

17501 West Willow Road
Poolesville, MD 20857

DOS POC Number: 15.066.XX
VMDO Project Number: 1294

Checked By: BG
Drawn By: MCG, SL

REFLECTED CEILING PLAN - LEVEL 2, AREA B, D

A222

Drawing Report

Poolesville High School - Base Bid

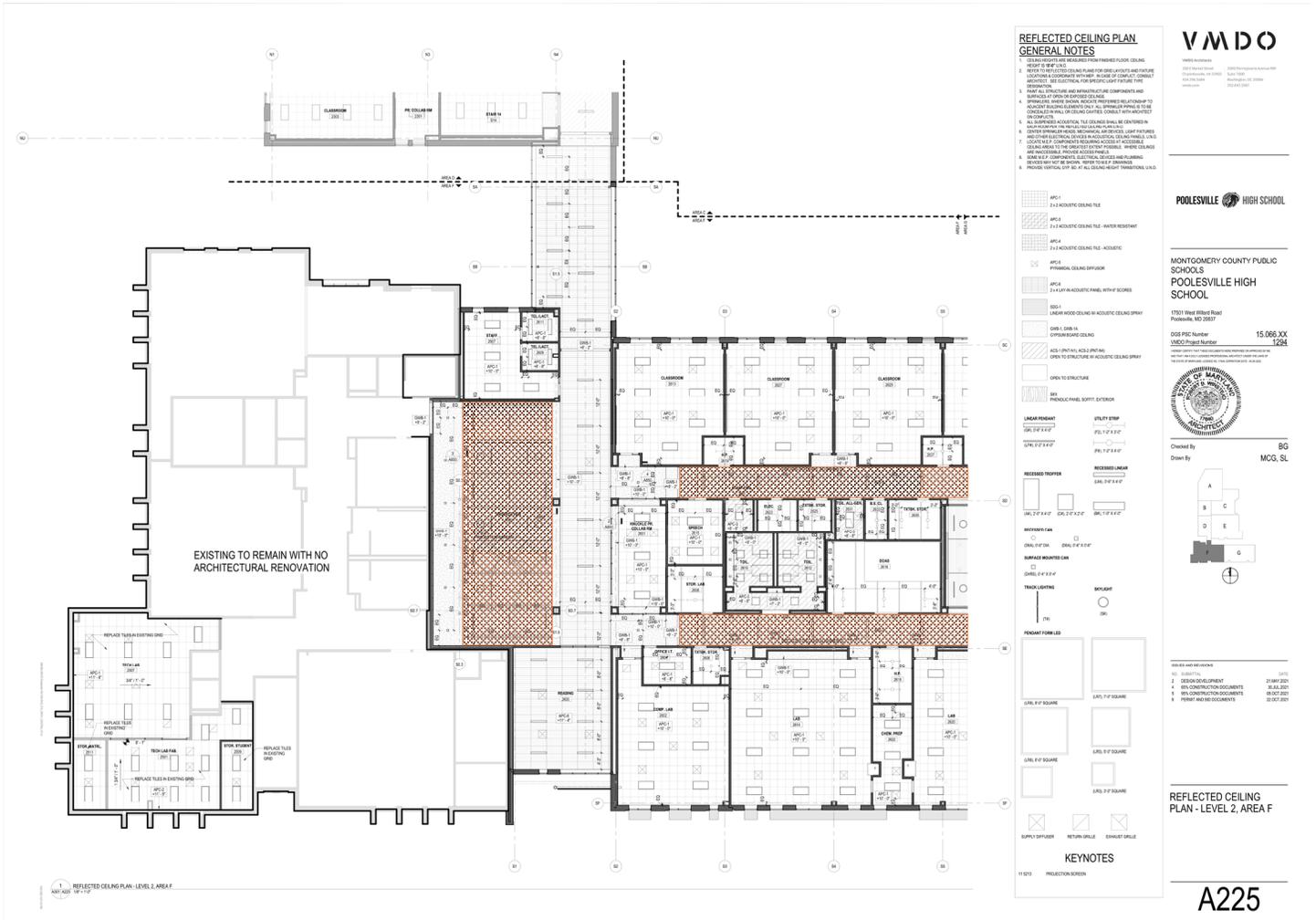
Section: Entire Job
Page: A222

Legend	Pitch	Description	SF	LF	EA
		SonaSpray 3/4" SW 7048 Urbane Bronz	4,079.17	800.99	26.00

Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
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VMDO

POOLESVILLE HIGH SCHOOL

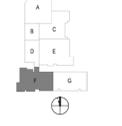
MONTGOMERY COUNTY PUBLIC SCHOOLS
POOLESVILLE HIGH SCHOOL

17501 West Willard Road
Poolesville, MD 20857

000 PJC Number 15.066 XX
VMDO Project Number 1294



Checked By BG
Drawn By MCG, SL



REVISED AND/OR
1. DESIGN DEVELOPMENT 23/MAY/2021
2. 90% CONSTRUCTION DOCUMENTS 30/JULY/2021
3. 100% CONSTRUCTION DOCUMENTS 06/OCT/2021
4. PERMIT AND BID DOCUMENTS 20/OCT/2021

REFLECTED CEILING PLAN - LEVEL 2, AREA F

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Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
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Legend	Pitch	Description	SF	LF	EA
		SonaSpray 3/4" SW 7048 Urbane Bronz	2,607.69	498.85	12.00

Drawing Report

Poolesville High School - Base Bid

Section: Entire Job
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Legend	Pitch	Description	SF	LF	EA
		SonaSpray 3/4" SW 7048 Urbane Bronz	3,999.79	821.16	24.00

SonaSpray "fc"[®]

Acoustical finish

CSI 09 83 16



Product Description

SonaSpray "fc" is a spray-applied acoustical texture designed for a wide range of project types. SonaSpray "fc" provides an attractive, high performance solution to acoustical and lighting design objectives in both new construction and renovation projects. Typical installations include schools, churches, auditoriums, passenger terminals, libraries, detention facilities, cafeterias, offices, hotels, and condominiums.

SonaSpray "fc" is available in White, Arctic White, Black, and specially matched colors.

Acoustical Performance

As tested by a NVLAP accredited acoustical laboratory per ASTM C-423, SonaSpray "fc" provides an exceptionally high noise reduction coefficient (NRC). A typical installation of 1/2" thick on solid backing has an unequalled NRC of .65.

Substrate Compatibility

SonaSpray "fc" conforms to any surface configuration such as barrel vaults, concrete "T", corrugated decks, pan construction and other complex surfaces. The high performance adhesive bonds to virtually all construction materials including gypsum board, plaster, wood, metal and concrete. Some surfaces (water-stained ceilings, wood and oxidized metal) require sealing to prevent migratory staining of the SonaSpray "fc".

Durability and Maintenance

The strong, resilient bond of the adhesive used to apply SonaSpray "fc" provides a remarkably durable surface. SonaSpray "fc" resists impact and abrasion without the cracking or spalling typical to many cementitious or plaster-based materials.

In areas where even higher abrasion resistance may be desirable, SonaSpray "fc" Dura-K may be specified. This product provides even greater bond and compressive strength without reducing the acoustical performance.



ASTM Standards Compliance

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

Technical Information

Sound Absorption Values- ASTM C-423

Hertz	125	250	500	1000	2000	4000	NRC
On Solid Backing							
0.50"	.00	.14	.49	.87	1.00	.99	.65
0.75"	.10	.23	.70	.98	1.01	.96	.75
1.00"	.05	.40	.94	1.04	.97	.99	.85
On Lath/ Plaster							
0.75"	.25	.36	.74	.98	.99	.99	.75
On Ribbed Metal Deck							
0.75"	.17	.58	.91	.89	.87	.84	.80



MATERIAL SAFETY DATA SHEET

SONASPRAY FC, K-13

Last Updated December 8, 2015



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **SONASPRAY FC, K-13**

CAS Number: Mixture

Product Use: Cellulose Fiber Insulation Treated with Fire Retardants

Manufacturers Name:

International Cellulose Corporation

12315 Robin Boulevard

Houston, TX 77045

+1-713-433-6701

1-800-444-1252 (U.S./Canada Only) Business Phone

1-713-433-6701 7 AM-6 PM (CST) Emergency Phone

www.spray-on.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazard Classification: Eye Irritation Category 2A



Signal Word: Warning

Hazard Statements: Causes serious eye irritation

Precautionary Statements:

Wash hands thoroughly after handling.

Wear eye protection/face protection (see section 8).

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Other hazards which do not result in classification: None

3. HAZARDS IDENTIFICATION

<u>Chemical Name</u>	<u>Amount (%)</u>	<u>CAS Number</u>
Mineral Oil, Petroleum Distillates, Hydrotreated light Paraffinic	0.1 – 0.9	64742-55-8
Sodium Borate (sodium tetraborate pentaahydrate)	<5.0	12179-04-3
Boric Acid	<15	10043-35-3
Cellulose Fiber	Balance	65996-61-4

Balance of ingredients are non-hazardous or hazardous in less than 1% in concentration (or 0.1% for carcinogens, reproductive toxicants, or respiratory sensitizers).

MATERIAL SAFETY DATA SHEET

SONASPRAY FC, K-13

Last Updated December 8, 2015

4. FIRST AID MEASURES

INHALATION FIRST AID: If breathing difficulty develops, remove victim to fresh air. Provide oxygen if breathing continues to be difficult. If not breathing, give artificial respiration, preferably mouth to mouth. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT FIRST AID: If contact occurs wash skin with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse. GET MEDICAL ATTENTION IF IRRITATION OCCURS.

EYE CONTACT FIRST AID: If contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes lifting upper and lower eyelids occasionally. GET MEDICAL ATTENTION IF IRRITATION OCCURS.

INGESTION FIRST AID: Induce vomiting ONLY as directed by medical personnel. Never give anything by mouth to an unconscious person. GET MEDICAL ATTENTION IMMEDIATELY.

NOTE TO PHYSICIANS: Treat symptoms.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Not applicable

AUTO IGNITION TEMPERATURE: Not Applicable

FLASH POINT: Not Applicable

FLAMMABLE LIMITS IN AIR, % by Volume: lel: N.E.; uel: N.E.

EXTINGUISHING MEDIA: Use fire extinguishing materials appropriate for surrounding fire including water spray (for cooling), dry extinguishing media, carbon dioxide, foam.

FIRE & EXPLOSION HAZARDS: This product has fire retardants in it to prevent or delay combustion.

SPECIAL INFORMATION:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEAN-UP PROCEDURES: Evacuate unprotected personnel from the area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in section 8. Contain and recover if possible. Wear rubber gloves, safety glasses, and appropriate body protection. Sweep up spilled material. Avoid generating airborne dusts. Always dispose of wastes in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE CONDITIONS: Protect against physical damage. Store containers in a cool, dry location, away from direct sunlight, away from incompatible chemicals. Observe all warnings and precautions listed for the product.

HANDLING (PERSONNEL): Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapors, mists, or dust. Do not eat, drink or smoke in work area. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:

OSHA PEL (TWA)

3.5 mg/m³

NE

NE

15 mg/m³ Total Dust 5mg/m³(Respirable)

10 mg/m³

ACGIH TWA

3.5 mg/m³

NE

2 mg/m³ as aerosol

2 mg/m³ Inhalable fraction

10 mg/m³

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VENTILATION SYSTEM: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

PERSONAL RESPIRATORS (NIOSH APPROVED): If the exposure limit is exceeded and engineering controls are not feasible, a respirator may be required. Where respirators are required, you must have a written program covering the basic requirements in the OSHA respirator standard. These include training, fit testing, medical approval, cleaning, maintenance, cartridge change schedules, etc. See 29CFR1910.134 for details.

SKIN PROTECTION: Wear protective clothing, gloves, as appropriate.

EYE PROTECTION: Use safety glasses and/or goggles, as appropriate.

Maintain eye wash fountain and quick-drench facilities in work area.

GOOD HYGIENE CONDITIONS: Wash with soap and water before meals and at the end of each work shift. Good manufacturing practices require amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Solid

ODOR: No Odor

SOLUBILITY IN WATER: Slightly soluble in water

MELTING POINT: Not Applicable

AUTO IGNITION TEMPERATURE: Not Applicable

pH: Not Applicable

FLAMMABILITY: Not Applicable

DECOMPOSITION TEMPERATURE: Not Applicable

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

EXPLOSIVE PROPERTIES: Not explosive: does not contain chemical groups associated with explosive properties

OXIDIZING PROPERTIES: Not oxidizing: does not contain chemical groups associated with oxidizing properties

COLOR: Various Colors

BOILING POINT: Not Applicable

SPECIFIC GRAVITY: 0.86 (Water =1)

EVAPORATION RATE (BuAc=1): Not Applicable

FLASH POINT: Not applicable

VAPOR PRESSURE: Not Applicable

VAPOR DENSITY: Not Applicable

VISCOSITY: Not Applicable

10. STABILITY AND REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID: Extreme temperatures, incompatible materials.

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY WITH OTHER MATERIALS: This product is incompatible with Bromine pentafluoride, sodium nitrate, fluorine, strong oxidizers, alkali carbonates, alkali hydroxides, potassium and acetic anhydride.

HAZARDOUS DECOMPOSITION: This product has fire retardants in it to prevent or delay combustion.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation is the most significant route of exposure in occupational and other settings. Dermal exposure is not usually a concern as cellulose insulation is not absorbed through intact skin.

SYMPTOMS RELATED TO THE PHYSICAL, AND CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

These products are not intended for ingestion. Occasional mild irritation of nose and throat may occur from inhalation of dusts at levels greater than 10 mg/m³. Prolonged exposure to dust levels in excess of regulatory limits should always be avoided.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Human epidemiological studies show no increase in pulmonary disease in occupational populations with chronic exposures to inorganic borate dust. Human epidemiological studies indicate no effect on fertility in occupational populations with chronic exposures to borate dust and indicate no effect to a general population with high exposures to borates in the environment.

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ACUTE HEALTH HAZARDS

Cellulose:

Oral LD₅₀ (rat): >5,000 mg/kg of body weight
Dermal LD₅₀ (rabbit): >2,000 mg/kg of body weight
Inhalation LC₅₀ (rat): >5.8 mg/L
Dermal irritation/corrosivity: Nonirritating, nonsensitizing.
Eye irritation: No information found.

Boric acid:

Oral LD₅₀ (rat): 2,550 mg/kg of body weight
Dermal LD₅₀ (rabbit): >2,000 mg/kg of body weight
Inhalation LC₅₀ (rat): >2.01 mg/L
Dermal irritation/corrosivity: Nonirritating, nonsensitizing.
Eye irritation: Nonirritating

Sodium tetraborate pentahydrate:

Oral LD₅₀ (rat): 3,305 mg/kg of body weight
Dermal LD₅₀ (rabbit): >2,000 mg/kg of body weight
Inhalation LC₅₀ (rat): >2.0 mg/L
Dermal irritation/corrosivity: Nonirritating, nonsensitizing.
Eye irritation (rabbit): Irritating, but reversible within 14 days.

Hydrotreated paraffinic distillate oil:

Oral LD₅₀ (rat): >5,000 mg/kg of body weight
Dermal LD₅₀ (rabbit): >5,000 mg/kg of body weight
Inhalation LC₅₀ (rat): No information found.
Dermal irritation/corrosivity: Mildly irritating.
Eye irritation: Mildly irritating.

CHRONIC HEALTH HAZARDS: No chronic effects from cellulose, boric acid, sodium borate, or mineral oil have been reported in the literature. Human epidemiological studies show no increase in pulmonary disease in occupational populations with chronic exposures to inorganic borates and sodium borate dust.

REPRODUCTIVE TOXICITY: Borate-treated cellulose insulation consists of cellulose fiber treated with boric acid (H₃BO₃), sodium tetraborate pentahydrate (Na₂B₄O₇·5H₂O), sodium tetraborate decahydrate (Na₂B₄O₇·10H₂O), or a combination thereof.

Borate-treated cellulose insulation was tested for purposes of hazard classification under the Occupational Safety and Health Administration's 2012 Hazard Communication Standard. In a study conducted under OECD Guideline 414, there were no developmental effects in rats exposed to up to 270 mg/m³ (the highest exposure tested). In workers chronically exposed to high levels of borates for several years by way of inhalation, food, and drinking water, there was a clear absence of any reproductive effects.

For boric acid and substantially similar mixtures (specifically, sodium tetraborate pentahydrate and sodium tetraborate decahydrate), the reproductive toxicity is substantially equivalent; therefore, the same hazard category (i.e., no classification for reproductive toxicity) may be applied.

Classification: No classification.

CARCINOGENICITY: Cellulose, boric acid, sodium borate, or mineral oil are not listed as a known or suspected carcinogen by OSHA, ACGIH, NTP, or IARC.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:

These products have not been tested for mobility in soil.

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ENVIRONMENTAL TOXICITY:

These products have not been tested for persistence or biodegradability. The components may slowly degrade in the environment and form a variety of organic and inorganic materials; however, no specific information is known.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Recover, reclaim or recycle when practical.

Dispose of material in accordance with federal, state and local requirements. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location.

14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.), International (Water, I.M.O.), International (Air, I.C.A.O.)

This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101. Non-Regulated.

15. REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

Chemical Inventory Status - Part 1

Ingredient	<u>TSCA</u>	<u>EC</u>	<u>Japan</u>	<u>Australia</u>
All Ingredients	YES	YES	YES	YES

Chemical Inventory Status - Part 2

Ingredient	<u>Korea</u>	<u>DSL</u>	<u>CANADA</u>	<u>Phil.</u>
All Ingredients	YES	YES	<u>NDSL</u>	YES
			NO	

Federal, State & International Regulations - Part 1

Ingredient	<u>-SARA 302-</u>	<u>List</u>	<u>-SARA 313-</u>
All Ingredients	<u>RQ</u>	<u>TPQ</u>	<u>Chemical Catalog</u>
	NO	NO	NO

Ingredient	<u>CERCLA</u>	<u>RCRA 261.33</u>	<u>TSCA 8(d)</u>
All Ingredients	None	NO	NO

CALIFORNIA PROP 65: This product does not contain an ingredient(s), above the safe harbor limits, which are known to the state of California to cause cancer, birth defects, or other reproductive harm.

HAZARDS DISCLOSURE: This product does contain known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains known hazardous materials.

SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No
Reactivity: No (Pure / Liquid)

STATE REGULATIONS:

PROP 65 - WARNING:

THIS PRODUCT DOES NOT CONTAIN A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

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RCRA 40 CFR: None.

CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: The components of this product are on the DSL Inventory, or are exempted from listing.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Classification is the same as noted in Section 2 Classification under OSHA HCS 2012.

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). Other inventory lists: Korea (TCCL), Australia (AICS), China (Draft), PICCS (Philippines-RA6969), Japan (ENCS METI/MOL).

16. OTHER INFORMATION

Label Requirements:

WARNING! THIS PRODUCT MAY CHEMICALLY AND MECHANICALLY IRRITATE CONTAMINATED SKIN TISSUE AND RESPIRATORY TRACT. THIS PRODUCT MAY BE HARMFUL IN EVENT OF INHALATION OVER THE RECOMMENDED EXPOSURE LEVELS.

Hazardous Material Information System (HMIS):	Health	1
	Flammability	0
	Reactivity	0
	Personal Protection	B

National Fire Protection Association (NFPA) 1-Health, 0-Flammability, 0-Reactivity

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

Date: December 8, 2015

Supersedes Date: June 1, 2015

ADDITIONAL INFORMATION:

Although the information set forth herein is presented in good faith and believed to be correct as of the date of issuance, it has been furnished by our suppliers; consequently, International Cellulose Corporation makes no representations or warranties, express or implied, with respect to information herein presented. The information set forth herein is supplied upon the condition that the persons receiving same will make their own determination as to suitability for their purposes prior to use and relates only to the specific product described and not to such product in combination with any other product. In no event will International Cellulose Corporation be responsible for damages of any nature resulting from the use of or reliance upon this information.

SK-2000™ Technical Data

April 2003

Description

Multi-component adhesive system engineered to react chemically with specified ICC products to provide enhanced performance.

Due to the special characteristics of SK-2000™, when used in combination with specified ICC products, spray applications are significantly easier.

All conditions being equal, the thickness achievable will be 30 - 50% greater when using SK-2000™ at standard mixing ratios when compared to SK-13-1C. To further increase the capability of individual sprayers, a more concentrated mixture of 3:1 can be utilized at the contractors' discretion.

Storage and Handling

SK-2000™ is shipped in durable plastic drums. The drums are translucent, providing easy determination of adhesive level at the job site or in your warehouse. The drums are marked with gallon/liter levels for further ease of use. Due to the strength of the containers, palletized drums can be stacked two levels high.

Storage temperatures are between 60°F - 95°F. SK-2000™ becomes noticeably more viscous at temperatures below 60°F. **Do not allow to freeze.**

Prior to Use

SK-2000™ is a multi-component adhesive and some separation of the components during shipping and storage is expected. Consequently, thorough blending is required prior to mixing with water and use.

Mixing Ratios

Standard/Hi Build⇒	4 Parts Water 1 Part SK-2000™
Super/Hi Build ⇒	3 Parts Water 1 Part SK-2000™

Add On Rate

6.6 Bags/50 Gallons of Mix. Follow ICC Pressure Charts.

Technical Specifications

UL rating when applied with specified ICC products:
Maximum Thickness 6"

Flame Spread	5
Smoke Developed	5

Wet strength is a measure of the strength of the bond shortly after application. The higher the wet strength, the easier the application. Also, the ability to spray thicker increases dramatically. This remarkable property is a dramatic breakthrough in spray insulation technology.

SK-2000™ is a trademark of International Cellulose Corporation. ICC conducts continuous research and development. Specifications are subject to change without notice. ©1998 All Rights Reserved

International Cellulose Corporation • P.O. Box 450006 • Houston, Texas 77245 • 713/433-6701 • Fax: 713/433-2900



SAFETY DATA SHEET

SK-2000/SK-2000 FC Adhesive

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Directives

1. PRODUCT IDENTIFICATION

1.1 TRADE NAME (AS LABELED): SK-2000/SK-2000 FC Adhesive
SYNONYMS: Copolymer Adhesive
CAS#: Not Applicable
1.2 PRODUCT USE: Insulation Coating
1.3 MANUFACTURER'S NAME (North America): International Cellulose Corporation
ADDRESS: 12315 Robin Boulevard, Houston, TX 77045
BUSINESS PHONE#: 1-713-433-6701
EMERGENCY PHONE#: 1-800-444-1252 (U.S./Canada Only)
WEBSITE: 1-713-433-6701 7 AM-6 PM (CST)
EMAIL: www.spray-on.com
icc@spray-on.com
1.4 PREPARATION INFORMATION:
DATE OF CURRENT REVISION: May 11, 2015
DATE OF LAST REVISION: April 27, 2010

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a white liquid, with a sweet odor.

Health Hazards: This product may cause mild irritation of contaminated tissues and may cause sensitization by skin contact in susceptible individuals.

Flammability Hazards: If heated to high temperatures for prolonged period, the water in this product can evaporate off and the residue may ignite. When involved in a fire, this material may decompose and produce irritating vapors and toxic gases (e.g., carbon oxides and sodium oxides).

Reactivity Hazards: May hydrolyze in the presence of alkalis.

Environmental Hazards: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS
Non-Regulated Material

CANADA (WHMIS) SYMBOLS
Complies with WHMIS 2015

EUROPEAN and (GHS) Hazard Symbols
None
Signal Word: None

2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does not meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 AND the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex VI

CAS# 9002-89-5 This substance is not classified in the Annex VI of Directive 67/548/EEC

Substances not listed either individually or in group entries must be self classified.

Component(s) Contributing to Classification(s)

All Components

2.2 LABEL ELEMENTS:

GHS Hazard Classification(s):

None known

Hazard Statement(s):

None known

Precautionary Statement(s):

None known



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2.3 HEALTH HAZARDS OR RISKS FROM EXPOSURE:

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: Not expected to cause adverse health effects from exposure to this product.

ACUTE:

INHALATION: None known

CONTACT WITH SKIN: None known

EYE CONTACT: None known

INGESTION: Not expected to be a route of entry based on size and configuration.

CHRONIC: None known

TARGET ORGANS: Acute: None known

Chronic: None Known

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS#	EINECS #	Hazard Classification
Polyvinyl Alcohol Polymers and Copolymers	7 – 13%	9002-89-5	209-183-3	Not Classified
Vinyl Acetate/Ethylene Copolymers	10 – 20%	Proprietary	Proprietary	Not Classified

Balance of other ingredients is less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

4. FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

EYE CONTACT: If this product enters the eyes, open contaminated individual's eyes while under gently running water. Use sufficient force to open eyelids. Have contaminated individual "roll" eyes. Minimum flushing is for 15 minutes. Contaminated individual should seek medical aid to ensure proper treatment.

SKIN CONTACT: If this product contaminates the skin, promptly wash with soap and water. Also wash after use or before eating or smoking. Remove exposed or contaminated clothing, taking care not to contaminate eyes. The contaminated individual should seek medical attention if any adverse effect occurs.

INHALATION: If breathing becomes difficult remove contaminated individual to fresh air. Seek medical attention if breathing difficulties continues.

INGESTION: Routine use of this product is not expected to cause any situation which could lead to ingestion. If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin and respiratory disorders, as well as conditions involving the "Target Organs" (see Section 3, Hazard Identification) may be aggravated by prolonged overexposures to this product.

4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Exposure to this product is not expected to cause adverse health effects.

4.3 RECOMMENDATIONS TO PHYSICIANS:

Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

5.1 FIRE EXTINGUISHING MATERIALS:

Use fire extinguishing methods below:

Water Spray: Yes Carbon Dioxide: Yes
Foam: Yes Dry Chemical: Yes
Halon: Yes Other: Any "C" Class

5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known

Explosion Sensitivity to Mechanical Impact: No

Explosion Sensitivity to Static Discharge: No



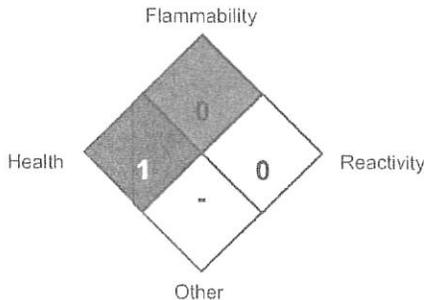
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5.3 SPECIAL FIRE-FIGHTING PROCEDURES:

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)	1		
FLAMMABILITY HAZARD (RED)	0		
PHYSICAL HAZARD (YELLOW)	0		
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

See section 8.2 for Exposure Controls.

6.2 ENVIRONMENTAL PRECAUTIONS:

None known

6.3 SPILL AND LEAK RESPONSE:

Proper protective equipment should be used. Personnel should be trained for spill response operations.

Small Spills: Wear rubber gloves, safety glasses, and appropriate body protection. Wipe or absorb spill with inert material. Pick up and place in suitable containers and keep for proper disposal.

Large Spills: Trained personnel following pre-planned procedures should handle non-incident releases. Minimum Personal Protective Equipment should be gloves, boots, and safety glasses. Contain and transfer into suitable containers and keep for recovery and use or disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations). For spills on water, contain, minimize dispersion and collect. Dispose of recovered material and report spill per regulatory requirements.

7. HANDLING and STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Read instructions before use.

7.2 STORAGE AND HANDLING PRACTICES:

All employees who handle this material should be trained to handle it safely. Avoid contact with eyes, skin and clothing. Store at 33°F to 120°F (1°C to 49°C). Avoid contamination. Keep from freezing.

7.3 SPECIFIC USES:

Insulation Coating

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

8.1 EXPOSURE PARAMETERS:

Chemical Name	CAS#	ACGIH TLV	OSHA TWA
Polyvinyl Alcohol Polymers and Copolymers	9002-89-5	Not Listed	Not Listed
Vinyl Acetate/Ethylene Copolymers	Proprietary	Not Listed	Not Listed



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8.2 EXPOSURE CONTROLS:

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation, and process enclosure if necessary, to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: Respiratory protection is generally not needed for normal handling. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under U.S. Federal OSHA's Respiratory Protection Standard (1910.134-1998) or the regulations of various U.S. States, Canada, EU Member States, or those of Japan. Air-purifying respirators with dust/mist/fume filters are recommended if operations may produce mists or sprays from this product.

EYE PROTECTION: Safety glasses and/or face shield or splash goggles, as handling or use conditions require. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

HAND PROTECTION: Liquid proof gloves such as Neoprene gloves. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

BODY PROTECTION: As needed to minimize contact. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

9. PHYSICAL and CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE (Physical State) and COLOR: This product is a clear to white liquid.

ODOR: Sweet odor

ODOR THRESHOLD: Not Applicable

pH: Not established

MELTING/FREEZING POINT: Not Applicable

BOILING POINT: Not Applicable

FLASH POINT: Not Applicable

EVAPORATION RATE (n-BuAc=1): Not established

FLAMMABILITY (SOLID, GAS): Not Applicable

UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS: Not Applicable

VAPOR PRESSURE (mm Hg @ 20°C (68°F): 17.0 mm Hg

VAPOR DENSITY: Not established

RELATIVE DENSITY: Not Applicable

DENSITY: Not Applicable

SPECIFIC GRAVITY: NE

SOLUBILITY IN WATER: Soluble

WEIGHT PER GALLON: Not Applicable

PARTITION COEFFICIENT (n-octanol/water): Not Applicable

AUTO-IGNITION TEMPERATURE: Not Applicable

DECOMPOSITION TEMPERATURE: Not Available

VISCOSITY: Not Applicable

VOC g/l / Lb/gal: Not Applicable

9.2 OTHER INFORMATION:

No additional information available.

10. STABILITY and REACTIVITY

10.1 REACTIVITY:

This product is not reactive.



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10.2 STABILITY:

Stable under conditions of normal storage and use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Will not occur

10.4 CONDITIONS TO AVOID:

Avoid exposure to or contact with extreme temperatures and incompatible chemicals.

10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:

Mineral acids, bases, alkalis.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion: Carbon oxides and sodium oxides. Hydrolysis: None known

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

TOXICITY DATA:

Polyvinyl Alcohol Polymers and Copolymers Acute oral toxicity: LD 50 oral rat: >20 g/kg, LD50 oral, mouse: 14700 mg/kg

SUSPECTED CANCER AGENT: The components of these products are listed by agencies tracking the carcinogenic potential of chemical compounds as follows: Polyvinyl Alcohol: IARC-3 (Not Classifiable as to Carcinogenicity to Humans) Balance of components are not listed and therefore are neither considered to be nor suspected to be cancer causing agents.

IRRITANCY OF PRODUCT: Mists and sprays of this product can cause eye irritation. Prolonged or repeated skin contact may cause dermatitis.

SENSITIZATION TO THE PRODUCT: This product is not considered a sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: The components of this product are not reported to produce mutagenic effects in humans.

Embryotoxicity: The components of this product are not reported to produce embryotoxic effects in humans.

Teratogenicity: The components of this product are not reported to produce teratogenicity effects in humans.

Reproductive Toxicity: The components of this product are not reported to produce reproductive effects in humans.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: None known

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: None known

ASPIRATION HAZARD: None

12. ECOLOGICAL INFORMATION

12.1 TOXICITY:

No toxicity data available.

12.2 PERSISTENCE AND DEGRADABILITY:

No specific data available on this product.

12.3 BIOACCUMULATIVE POTENTIAL:

No specific data available on this product.

12.4 MOBILITY IN SOIL:

No specific data available on this product.

12.5 RESULTS OF PBT AND/PvB ASSESSMENT:

No specific data available on this product.

12.6 OTHER ADVERSE EFFECTS:

No specific data available on this product.

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.7 WATER ENDANGERMENT CLASS:

Water endangering in accordance with EU Guideline 91/155-EWG. Not determined

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.



SAFETY DATA SHEET

SK-2000/SK-2000 FC Adhesive

13.2 EU Waste Code:

Not determined

14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

14.1 PROPER SHIPPING NAME: Non-Regulated Material

14.2 HAZARD CLASS NUMBER and DESCRIPTION: None

14.3 UN IDENTIFICATION NUMBER: None

14.4 PACKING GROUP: None

14.5 DOT LABEL(S) REQUIRED: None

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: None

RQ QUANTITY: None

14.6 MARINE POLLUTANT: None of the components of this product are designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.7 SPECIAL PRECAUTIONS FOR USER:

None known

14.8 INTERNATIONAL TRANSPORTION:

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is not considered as dangerous goods.

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is not considered as dangerous goods.

14.9 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND IBC CODE:

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

15. REGULATORY INFORMATION

15.1 UNITED STATES REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: The components of this article are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory or are exempted from listing.

OTHER U.S. FEDERAL REGULATIONS: None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): The Acetaldehyde, Formaldehyde components present in this product in trace amounts and are on the California Proposition 65 list. Warning! This product contains chemicals known to the State of California to cause cancer.

15.2 CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: The raw materials used in this article are on the DSL Inventory, or are exempted from listing.

OTHER CANADIAN REGULATIONS: Not applicable.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Complies with WHMIS 2015

15.3 EUROPEAN ECONOMIC COMMUNITY INFORMATION:

This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

See Section 2 for full Details.

15.4 AUSTRALIAN INFORMATION FOR PRODUCT:

The raw materials used in this article are listed on the International Chemical Inventory list.



SAFETY DATA SHEET

SK-2000/SK-2000 FC Adhesive

15.5 JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:

The components of this article are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

JAPANESE ENCS INVENTORY:

The raw materials used in this article are on the ENCS Inventory as indicated in the section on International Chemical Inventories, below.

POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW:

No component of this article is a listed Specified Poisonous Substance under the Poisonous and Deleterious Substances Control Law.

15.6 INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the raw materials used in producing this article on individual country Chemical Inventories is as follows:

Asia-Pac: Listed

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

Swiss Giftlist List of Toxic Substances: Listed

U.S. TSCA: Listed

16. OTHER INFORMATION

PREPARED BY: Paul Eigbrett – (GHS MSDS Compliance PLUS)

DATE OF PRINTING: May 11, 2015

Although the information set forth herein is presented in good faith and believed to be correct as of the date of issuance, it has been furnished by our suppliers; consequently, International Cellulose Corporation makes no representations or warranties, express or implied, with respect to information herein presented. The information set forth herein is supplied upon the condition that the persons receiving same will make their own determination as to suitability for their purposes prior to use and relates only to the specific product described and not to such product in combination with any other product. In no event will International Cellulose Corporation be responsible for damages of any nature resulting from the use of or reliance upon this information

END OF SDS SHEET



INTERNATIONAL CELLULOSE CORPORATION
INNOVATIVE FIBER TECHNOLOGY



LEED™ Contribution Points

Product: K-13

02/2011

MR Credit 4.1: Recycled Content: 10%

1 Point

Intent:

Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

All Colors- 80% Post Consumer

MR Credit 4.2: Recycled Content: 20%

1 Point in Addition to MR Credit 4.1

EQ Credit 4.1: Low- Emitting Materials: Adhesives & Sealants

1 Point

Intent:

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

K-13's adhesive VOC content is < 1.0 gm/l



EQ Credit 4.2: Low- Emitting Materials: Paints & Coatings

1 Point

Intent:

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

**K-13's primer- Isoprime- VOC content is 79.6 gm/l.
Iso-prime is a gloss/non-flat coating**

Protek has a VOC content < 1.0 gm/l

EQ Credit 4.4: Low- Emitting Materials: Composite Wood & Agrifiber Products

1 Point

Intent:

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

K-13 does not contain any added urea-formaldehyde resins



CARE AND MAINTENANCE OF K-13/SONASPRAY “FC” SPRAY-ON SYSTEMS

Ideal ambient conditions for K-13/SonaSpray “fc” are a normal building environment with maintained ventilation to control atmospheric moisture levels. Any water leaks penetrating the K-13/SonaSpray “fc” should be rectified as soon as possible as prolonged water incursion will have detrimental effects.

In normal use, K-13/SonaSpray “fc” can absorb small amounts of dust and grease so it is important to inspect at intervals and maintain a cleaning and care program.

Normal Maintenance

Periodic inspection, the period will be determined by site conditions, but annual or biannual is adequate for most circumstances. If cleaning is required then very light brush cleaning of small areas is appropriate, for larger areas we suggest low pressure high volume air blast cleaning which will also dislodge more persistent dust. The color finish can be maintained by a light mist of paint or tint over-spray to 98% coverage. There is not to be any penetration into the body of the K-13/SonaSpray “fc” coating by paint solvents or emulsion.

Water Damage

Small areas of damage which may be caused by burst pipes or tanks are best treated by mechanical removal of the K-13/SonaSpray “fc” and a small area repair carried out by a professional installer. Large areas of light damage which may have been caused by extreme weather should be treated as normal maintenance once local patches of bad damage have been repaired.

Fire Damage

K-13/SonaSpray “fc” directly affected by flame should be mechanically removed and a repair carried out by a professional installer. Firefighting water damage should be treated as outlined in "Water Damage". Large areas affected by smoke should be well ventilated until the worst effect of smoke odor is diminished. This may take several weeks. If the smell of smoke persists and it is detrimental to the use or function of the area then all or part of the K-13/SonaSpray “fc” should be mechanically removed and replaced by a professional installer.

If for diverse reasons it is not possible to replace the K-13/SonaSpray “fc” the options are:

- Low pressure High volume air blast cleaning
- Overspray the entire surface with fire retardant solution
- Mist overspray with paint/tint as recommended
- Light second coat spray with additional K-13/SonaSpray “fc”



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INNOVATIVE FIBER TECHNOLOGY

Caution

Do not overspray with any product or solution that can saturate the K-13/SonaSpray “fc” coating. It will have detrimental effects to the performance of the product; in particular the following may be compromised:

- Thermal Performance
- Acoustic Performance
- Fire Rating
- Color and Appearance
- Bond to Substrate

Any areas subject to overspray with paint or tint should be tested and allowed to fully cure then an inspection be made to ascertain that the color match is satisfactory before the bulk of the work is undertaken. If in doubt about any proposed maintenance, please refer them to:

International Cellulose Corporation
12315 Robin Blvd
Houston, Texas 77045
Phone (713) 433-6701
Fax (713)433-2900
E-mail icc@spray-on.com



INTERNATIONAL CELLULOSE CORPORATION
INNOVATIVE FIBER TECHNOLOGY

November 28, 2018

Jeremy Kochel
Southern Insulation
5218 Monroe Place
Hyattsville, MD 20781

Subject: Licensed Installer

This letter will certify that Southern Insulation of Hyattsville, MD is licensed and approved to apply all products manufactured by International Cellulose Corporation.

Let us know if we can help with anything else.

Sincerely,

INTERNATIONAL CELLULOSE CORPORATION

J.M. "Chuck" Smith
Regional Sales Manager
(832) 247-6067 cell
(713) 610-4735 office
csmith@spray-on.com

CERTIFICATE OF COMPLIANCE



International Cellulose Corp SonaSpray "fc"

86492-420

Certificate Number

02/03/2016 - 07/05/2019

Certificate Period

Certified

Status

UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.



Environment

UL Environment investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL Environment and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Environment Mark for the identified Product(s) manufactured at the production site(s) covered by the ULE Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

GREENGUARD Gold Certification Criteria for Building Products and Interior Finishes

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.22	mg/m ³
Formaldehyde	50-00-0	9 (7.3 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m ³
Particle Matter less than 10 µm ^(C)	-	20	µg/m ³
1-Methyl-2-pyrrolidinone ^(D)	872-50-4	160	µg/m ³
Individual VOCs ^(E)	-	1/2 CREL or 1/100th TLV	-

- (A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate. Maximum allowable predicted TVOC concentrations for GREENGUARD Gold (0.22 mg/m³) fall in the range of 0.5 mg/m³ or less, as specified in CDPH Standard Method v1.2.
- (B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.
- (C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.
- (D) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 µg/day and an inhalation rate of 20 m³/day
- (E) Allowable levels for chemicals not listed are derived from the lower of 1/2 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.2 and BIFMA level credit 7.6.2 and 1/100th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



Environment

K-13 / SONASPRAY "FC" / URE-K / SONAKRETE
SUSTAINABLE CREDIT CATEGORIES FOR
LEED® V.4 & GREEN BUILDING PROJECTS

REV.:
10/2

VERSION:
1.2

MATERIALS & RESOURCES:

RECYCLED CONTENT

K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems, consisting of natural plant-based fibers, and specialty water-based adhesives, contains 80% Pre-Consumer Recycled Content.

REGIONAL MATERIALS

K-13, SonaSpray "fc", Ure-K, and SonaKrete are manufactured in the United States by International Cellulose Corporation (ICC) in Houston, Texas. Adhesives are produced and shipped in concentrated form and are diluted with water sourced from the job site.

RENEWABLE/RAW INGREDIENTS

Cellulose, the primary raw ingredient in the K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems, contains wood, cotton and other rapidly renewable resources. Cellulose takes less energy to make compared to other building insulation materials, and sequesters carbon for the useful life of the application-reducing the release of harmful greenhouse gases into the environment.

CONSTRUCTION WASTE MANAGEMENT

Cellulose fibers may be fully recovered and reused on site, leaving virtually no excess material to return to the waste stream.

	CSI #:	DESCRIPTION:
K-13	07 21 29/09 83 16	Acoustical/Thermal Finish
SONASPRAY "FC"	09 83 00/09 83 16	Acoustical Finish
URE-K	07 21 00/09 83 16	15 Minute Thermal Barrier
SONAKRETE	09 83 00/09 83 16	Acoustical Finish
	   	
K-13	✓	✓
SONASPRAY "FC"	✓	✓
URE-K	✓	✓
SONAKRETE	✓	✓

MATERIAL INGREDIENT REPORTING:

HEALTH PRODUCT DECLARATION (HPD):

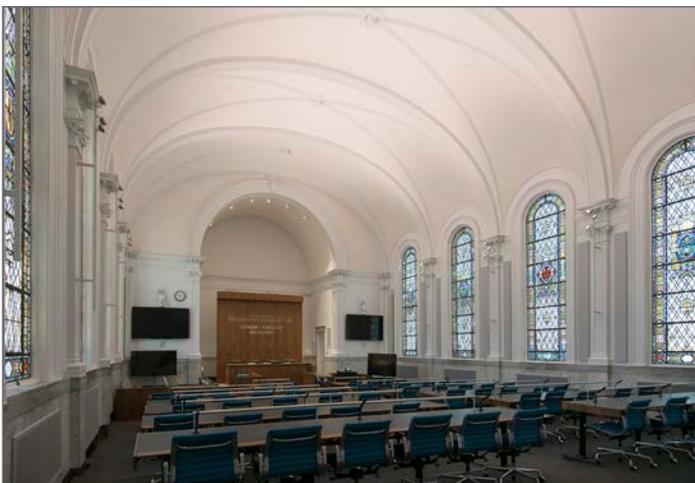
K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems have been inventoried to 1,000 PPM in accordance with the Health Product Declaration Collaborative (HPDC). ICC has provided an ingredient list for 98% of the total product and all proprietary materials chemicals have been disclosed to a third party to verify they are non hazardous.

INGREDIENT OPTIMIZATION-RED LIST:

These products meet the Living Building ChallengeSM requirement that they do not contain chemicals on the Red List. The Red List contains some of the worst materials prevalent in the building industry. Additionally, these products do not contain glass, mineral, asbestos, silica, or synthetic fibers.

AVOIDANCE OF HAZARDOUS SUBSTANCES:

K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems, are not formulated with heavy metals and do not contain: Lead (Pb), Cadmium (Cd), Mercury (Hg), and Hexavalent Chromium (Cr (VI)), or other heavy metals. Additionally, these products do not contain ozone depleting substances such as CFC's or HCFC's; Isocyanate or any Brominated Flame Retardants (PBTs).



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FIRM: SMITH GROUP JJR

WASHINGTON, D.C.
LEED GOLD

INDOOR ENVIRONMENTAL QUALITY (IEQ):

LOW EMITTING BUILDING MATERIALS

K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems are M1 Classified as a Low Emitting Building Material and are compliant with CDPH/CA Section 01350.

INDOOR AIR QUALITY

K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems are GREENGUARD Gold Certified per UL Environmental. GREENGUARD Certification ensures that a product has met some of the world's most rigorous and comprehensive standards for low emissions of volatile organic compounds (VOCs) into indoor air.

LIGHT REFLECTANCE

K-13 White, SonaSpray "fc" Arctic White, and White, and SonaKrete Arctic White, and White provide high light reflectance values and can be utilized to enhance natural daylighting and contribute towards lighting efficiency. Light Reflectance Values (LRV) per ASTM D 2244: K-13 White: 84, SonaSpray "fc" Arctic White: 89, SonaSpray "fc" White: 86, SonaKrete Arctic White: 91, SonaKrete White: 88.

ACOUSTIC PERFORMANCE

Unlike hard surfaces and materials, which reflect sound, K-13, SonaSpray "fc", Ure-K, and SonaKrete absorb excessive noise, making speech and music more intelligible, while enhancing acoustical comfort and functionality.

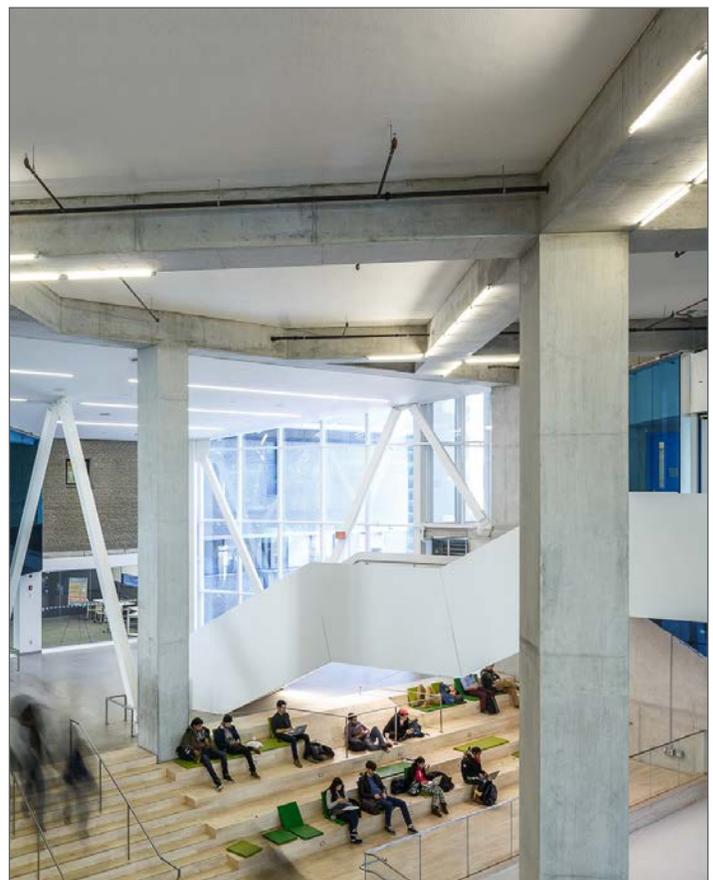
SOUND ABSORPTION DATA PER ASTM C 423:

K-13	NRC:
1.00" Thick on Solid Backing	.80
1.75" Thick on Solid Backing	1.00
1.50" Thick on 3" Metal Deck	1.05
SonaSpray "fc"	NRC:
0.75" Thick on Solid Backing	.75
1.00" Thick on Solid Backing	.85
0.75" Thick on 1.5" Metal Deck	.80
Ure-K	NRC:
1.25" Applied over Closed-Cell Polyurethane Foam	.95
SonaKrete	NRC:
0.375" Thick on Solid Backing	.55
0.50" Thick on Solid Backing	.65
0.75" Thick on Solid Backing	.75



LUNDER ARTS CENTER-LESLEY UNIVERSITY
FIRM: BRUNER/COTT

CAMBRIDGE, MA
LEED GOLD



STUDENT CENTER- RYERSON UNIVERSITY
FIRM: SNØHETTA

TORONTO, CANADA
LEED GOLD

Note: Credit contributions and sustainable credit categories vary by the design certification system, version and framework. International Cellulose Corporation is a charter member of the United States Green Building Council (USGBC). LEED® is a registered trademark of USGBC.

Test reports & additional information is available upon request.