



DESIGN SOLUTION

Storage Facilities



PROJECT

**Proguard Self Storage
Houston, TX**

ARCHITECT

**Hessed Development Inc
10101 Fondren
Houston, TX 77096**

DETAILS

**K-13® Tan
3" Thick
10,000 sq. ft.**



Proguard Self Storage has been developing and managing quality mini-storage facilities since 1991. Proguard is a climate-controlled comfortable well-lit secure modern facility that is accessible seven days a week with a professional onsite management and security team. The climate-controlled storage units are ideal for heat and moisture sensitive items such as videotapes, photographs and precious wood furniture.

K-13 was sprayed 3" thick throughout this facility as an effective insulation to prevent energy loss. The insulation had to provide a high R-Value and conform to any surface configuration eliminating voids, gaps and compressions that can occur with prefabricated insulation. This monolithic coating results in the outstanding field performance of K-13.

K-13 is a superior acoustical finish for all kinds of projects. K-13 is available in black, white, light gray, gray, beige and tan. K-13 is also available in custom integral colors to help meet your design objectives. K-13 is ideal for both new construction and renovation projects and K-13 also serves as a thermal insulation system.

Churches, warehouses, restaurants, gymnasiums, retail facilities, and schools are just a few of the many types of projects that benefit from K-13. Contact International Cellulose Corporation today at **(800) 444-1252** or visit our website at www.spray-on.com for complete details on how ICC can improve your building projects.

**SIMILAR K-13
PROJECTS**

**A ROCKET STORAGE
HOUSTON, TX**

**KIAWAH - SEABROOK
SELF STORAGE
JOHNS ISLAND, SC**

**SILVERADO STOR-A-WAY
HOUSTON, TX**

**SOUTH PARK SOUTH STORAGE
SOUTH PARK, PA**

**STORAGE USA
TEANECK, NJ**

**PIEDMONT MINI STORAGE
ATLANTA, GA**

**LEXINGTON MINI STORAGE
LEXINGTON, KY**

**STOCKADE STORAGE
MOUNT PLEASANT, SC**

**FOUR SEASONS SELF STORAGE
HOUSTON, TX**

**WILDCAT SELF STORAGE
CINCINNATI, OH**

**K-13® Spray On Systems
Section 072129
Specification Guide 05/09**

PART 1 – GENERAL

1.01 Section Includes

- A. Sprayed cellulose thermal insulation.
- B. Sprayed cellulose acoustical insulation.

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

1.03 Quality Assurance

- A. Manufacturer must have a current listing with ICC.
- B. Manufacturer must be in compliance with the 2006 International Building Code.
- C. Manufacturer must be ISO 9001:2008 Certified.
- D. Applicator: Licensed by manufacturer.
- E. Manufacturer must subscribe to independent laboratory follow-up inspection services of Underwriters Laboratories and Factory Mutual. Each bag shall be labeled accordingly.
- F. Mock-up: Apply a 100 square foot representative sample to be reviewed by the Architect and/or Owner prior to proceeding.

1.04 Submittals

- A. Submit product data that the product meets or exceeds the following specified requirements.
 - 1. R-Value shall be 3.8 per inch per ASTM C 518.
 - 2. Bond strength shall be greater than 100 psf per ASTM E 736.
 - 3. Product shall be Class 1 Class A per ASTM E 84/ UL 723.
 - 4. Non-corrosive per ASTM C 739.
 - 5. Bond Deflection per ASTM E 759: 6" Deflection in 10' Span - No Spalling or Delamination
- B. Manufacturer's written certification that product contains no asbestos, fiberglass or other man-made mineral fibers.
- C. Copy of manufacturer's ISO 9001:2008 Certification.
- D. Minimum Fiber Recycled Content to be 75%.
- E. Cannot contain any Urea-Formaldehyde Resins.

1.05 Delivery, Storage and Handling

- A. Deliver in original, unopened containers bearing name of manufacturer, product identification and reference to U.L. testing.
- B. Store materials dry, off ground, and under cover.
- C. Protect liquid adhesive from freezing.

PART 2 – PRODUCTS

2.01 Acceptable Manufacturers

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

2.02 Materials

A. K-13 Spray-On-Systems.

- 1. Color shall be from Manufacturer's standard color chart.
- 2. Comply with local Building Code requirements.
- 3. Material to have been tested in accordance with ASTM E 1042. Testing laboratory must be NVLAP accredited.

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 spray insulation 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 insulation to protect from over-spray.
- B. Coordinate installation of the sprayed cellulose fiber with work of other trades.
- C. Prime surfaces as required by manufacturer's instructions or as determined by examination.

3.03 Installation

- A. Thickness will be determined as the minimum thickness measured as per ASTM E-605 field test procedure.
- B. Install spray applied insulation according to manufacturer's recommendations.
- C. Install spray applied insulation to achieve an R-Value of ____ (maximum of R 19)
- D. Install spray applied insulation to achieve an overall NRC of ____.

K-13 Sprayed Thermal and Acoustical Insulation ASTM C-423 on Solid Backing*							
Inches	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
1.00	0.08	0.29	0.75	0.98	0.93	0.96	0.75
1.00**	0.47	0.90	1.10	1.03	1.05	1.03	1.00
2.00	0.26	0.68	1.05	1.10	1.03	0.98	0.95
3.00	0.57	0.99	1.04	1.03	1.00	1.00	1.00

K-13 Sprayed Thermal and Acoustical Insulation Applied at 1.5" Ribbed Metal Deck*							
Inches	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
1.50	0.36	0.89	1.26	1.07	1.01	1.00	1.05
3.00	0.97	1.04	1.13	0.99	0.95	0.98	1.05

*Some values interpolated

**On lath

- E. Cure insulation with continuous natural or mechanical ventilation.
- F. Remove and dispose of over-spray.

3.04 Protection

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



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www.spray-on.com

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Professionally installed by:



K-13® is manufactured with:
Minimum 80% recycled content

PRINTED IN USA 1/10:



10%
TOTAL RECOVERED FIBER
ALL POST-CONSUMER FIBER



Mixed Sources
Product group from well-managed forests, controlled sources and recycled wood or fiber
www.fsc.org Cert no. SW-COC-001530
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