CARLISLE SYNTEC SYSTEMS

Sure-Seal® EPDM
Lap Sealant

Overview

Carlisle's Sure-Seal Lap Sealant is a gun-consistency material used to seal the exposed cut edge of reinforced EPDM membranes, and the edges of elastoform flashing. Carlisle's Lap Sealants are extremely durable, and their cured rubber consistency enables them to expand and contract with the roofing membrane.

Features and Benefits

- Seals exposed cut edge of reinforced EPDM membranes and the edges of elastoform flashing.
- Cured rubber consistency
- Applied using a caulk gun
- Seals EPDM edge splices

Coverage Rate

This material has a coverage rate of 22' (6.7 m) per tube using a 5/16" (8 mm) bead.

Installation

1. All surfaces to be sealed with Lap Sealant must be firm, dry, and free of oil, dust, and other foreign materials.
2. After splices are completed with the proper splicing materials, clean the EPDM to remove all foreign materials by wiping with a Carlisle HP Splice Wipe (or equivalent) dampened with Carlisle Weathered Membrane Cleaner.

   Note: Permeation resistant gloves (that meet ANSI/ISEA 105-2005) are recommended while using this material.
3. Apply a 5/16" (8 mm) bead of Lap Sealant along the exposed edge of the membrane.
4. Using the feathering tool to feather the sealant bead so the high point is above the offset of the splice and the edges are feathered onto the deck.
5. Lap Sealant must be applied and feathered on any required elastoform flashing edges by the end of the working day. Lap sealant may be applied immediately to the elastoform flashing.

Review Carlisle specifications and details for complete installation information.

Precautions

- Review the applicable Safety Data Sheet for complete safety information prior to use.
- Lap Sealants are FLAMMABLE. They contain petroleum distillates that are dangerous fire and explosion hazards when exposed to heat, flame or sparks. Store and use away from all sources of heat, flame or sparks. Do not smoke while applying. Do not use in confined or unventilated areas. Vapors are heavier than air and may travel along the ground to a distant ignition source and flash back. A red caution label is required for shipping.
- Avoid breathing vapors. Keep container closed when not in use. Use with adequate ventilation. If inhaled, remove to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.
- If swallowed, DO NOT INDUCE VOMITING. Call a physician immediately.
- Avoid contact with eyes. Safety glasses or goggles are recommended. If contact with eyes occurs, immediately flush eyes with plenty of water for at least 15 minutes. Contact a physician immediately.
- Avoid contact with skin. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water.
- Follow Carlisle's recommended splice instructions. DO NOT USE as splice cement between membranes.
- Jobsite storage temperatures in excess of 90°F (32°C) will shorten product shelf life. Should the Lap Sealant be stored at temperatures below 60°F (15°C), restore to room temperature prior to use.
- By using an excessively wet solvent cloth while cleaning the splice edge, solvent may be left in the offset of the membrane sheets. To avoid this problem, use a damp rag and make sure the Weathered Membrane Cleaner is completely flashed off before Lap Sealant application.

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- If applied during periods of cold, dampness or high humidity, it is possible that the evaporation of solvents will be substantially reduced, resulting in some slight membrane swelling. This would be further aggravated should the sealant be applied in an unusually heavy coat.
- Coverage rates are average and may vary due to jobsite conditions.
- KEEP OUT OF THE REACH OF CHILDREN.

Typical Properties and Characteristics

Color	Black
Solids	63%
Flash Point	40°F (4°C) Tag Open Cup
Service Temperature	-60°F to 180°F (-51°C to 82°C)
Specific Gravity	1.03
Cold Weather Flex	Excellent
Resistance to:	
Staining	Excellent
General Weathering	Excellent
Ozone	Excellent
Ultraviolet Radiation	Excellent
Slump	Very Good
Water	Excellent
Acid	Good
Alkali	Good
VOC	400 grams/liter
Average Net Weight/Gallon	8.58 lbs. (1.03 Kg/l)
Packaging	25 Tubes/Carton
Shelf Life	1 year

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

LEED® Information

Pre-consumer Recycled Content	0
Post-consumer Recycled Content	0
Manufacturing Location	Carlisle, PA

800-479-6832 | P.O. Box 7000 | Carlisle, PA 17013 | Fax: 717-245-7053 | www.carlislesyntec.com

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REPRINT CODE: 605045 - "Sure-Seal EPDM Lap Sealant Product Data Sheet"
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CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

074646-004
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

074646
SPECIFICATION SECTION / PARAGRAPH

Kuenz Heating and Sheet
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◯ Shop Drawings
- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◉ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

Joe Voypick
REVIEWED BY

8/31/16
DATE

To be completed by Reviewer

07 4646-004
CANNON DESIGN SUBMITTAL NUMBER

9/1/16
RECEIVED DATE

- ◯ A. No Exceptions Taken
  No further review of submittal is required.
- ◉ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ◯ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ◯ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◯ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ◯ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

See Substitution Request 17 for product data.

REVIEWED BY

9/14/16
DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0204

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 08/31/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Fiber Cement Siding Product Data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☑ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		074646-004	1		08/31/2016	Fiber Cement Siding Product Data	Submitted

NOTES:

CC:

Signed: _____

Devin Gates

KUENZ

Heating & Sheet Metal Co.

Industrial, Institutional, Commercial and Fabrication

TRANSMITTAL LETTER

To: Paric Corporation Attention: Devin Gates 77 Westport Plaza Dr. Ste.250 St.Louis, Mo 63146	**From:** *Kuenz Heating and Sheet Metal* *811 West Wood Ind. Park Drive* *Weldon Springs, MO 63304*
Project: *WEBSTER UNIVERSITY ISB*	**Submittal Spec Section:** *074646 fiber-cement siding*

Date: 8/29/2016

for your consideration please find and review the attached files.

The following contains:

[X] Shop Drawings	[ ] Submittals	[ ] Specifications	[ ] Color Charts
[X] Data Sheets	[ ] Drawings	[ ] Catalog Cuts	[ ] Change Order
[ ] Brochure	[ ] Schedule	[ ] Addendum #_____	[ ] Samples

1	Mock up shop drawings
	Insulation data sheet
	Cascadia clip information
	Air and water barrier penetration sealant

The files attached are to be considered for:

[X] For approval	[X] For review	[ ] Not approved	[ ] As requested
[ ] For quotation due	[ ] For your information	[ ] For revision	

[ ] Other:_____

Remarks:

Copy to:_____

Submitted by: Chris Bradley

Chris Bradley

811 Westwood Industrial Park Drive St. Charles, Missouri 63304
Phone 636.936.1555 Fax 636.300.9992
chris@kuenzsheetmetal.com