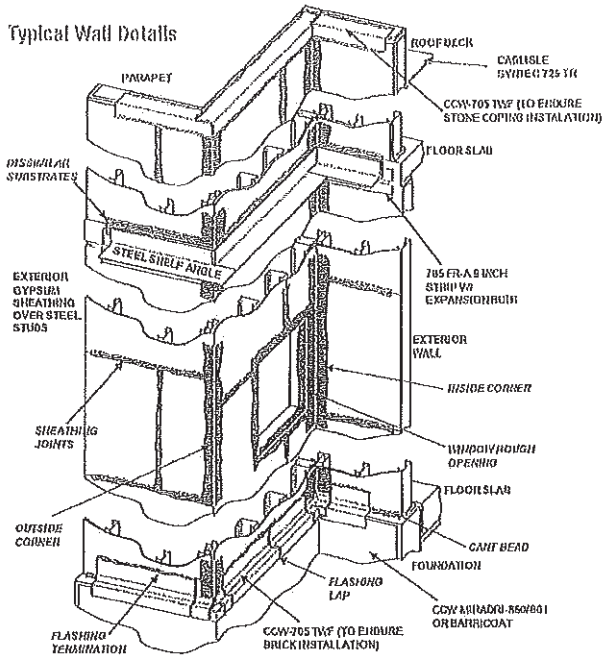
LIQUID FLASHING & DETAIL SEALANT

BarriBond

Use of BarriBond in CCW Air Barrier Systems

Acceptable CCW Membrane Products	Acceptable Application
Sheet Products	
Fire-Resist 705 FR-A	Surface prep (installed before wall membrane): Gap Fill, Fillet Beads
Fire-Resist 705 FR-A LT	
CCW-705	Membrane Detailing: Rough Openings, Pipe/Duct Penetrations, T-Joints, Reverse Laps, Field-Cut Edges, Corner Pinholes, Screw/Hardware Penetrations, Membrane Terminations
CCW-705 LT	
CCW-705 HT	
CCW-705 TWF	
CCW-705 TWF LT	
Liquid Products	
Fire-Resist Barritech VP	Install before or after membrane: Gap Fill, Fillet Beads, Sheathing Board Joints, Screw Patches, Inside & Outside Corners, Rough Openings, Pipe/Duct Penetrations, Screw/Hardware Penetrations, Transition to Neighboring WRB, Roof or Waterproofing System
Fire-Resist Barritech VP LT	
Fire-Resist Barritech NP™	
Barriseal®-S	
Barriseal-R	

Typical Wall Details



BarriBond can be applied over or under all CCW Membrane products listed in the table above.

For best results, BarriBond should be stored above 50°F or warmer during wintertime applications. The sausage should be loaded into a suitable caulking gun. Cut nozzle orifice to user-preferred size and shape with a sharp utility knife or similar tool.

Compatibility

BarriBond is compatible with many common building materials including plywood, OSB, fire-treated wood, pressure-treated wood, concrete, CMU, glass-mat faced gypsum sheathing, aluminum, copper and PVC extrusion/pipe. BarriBond is also compatible with rigid foam insulation products including XPS, EPS, and R2+ Polyiso (foam core and facers).

BarriBond will not adhere to cured silicone. However, various silicone sealants commonly specified for sealing the window frame to the rough opening are compatible with cured BarriBond. These can be used to seal the window frame directly to cured BarriBond. Please consult CCW for a list of acceptable silicone window sealants.

Liquid Flashing Application (Rough Openings, Pipe/Duct Penetrations, Inside/Outside Corners)

Apply BarriBond in serpentine beads over the substrate. Spread BarriBond using a squeegee or a trowel to provide full, uniform coverage over the substrate. Apply to openings, pipe/duct penetrations and inside/outside corners as shown in the respective CCW air barrier system standard details. Apply BarriBond at a uniform wet mil thickness of 40 mils (0.040 inch), continuously monitoring thickness with a CCW Wet Mil Thickness Gauge to assure adequate coverage. BarriBond can be applied in a single coat. To facilitate installation, joints and gaps between dissimilar substrates may be treated with BarriBond and allowed to cure firm before proceeding with trowel coverage of the liquid flashing area. Also, the raw edge of gypsum sheathing can be treated with CCW-702, 702 LV, or 702 WB to consolidate this substrate and facilitate coverage with BarriBond. In liquid flashing applications, BarriBond shall tie into the main CCW Air Barrier Membrane with a minimum 2 inch lap. CCW BarriBond can be applied over all CCW Air Barrier Membranes, or the CCW membranes can be applied over BarriBond, depending on construction progression.

Detailing Sealant Applications (Sheathing Joints, Dissimilar Substrates, Non-Moving Cracks, Termination Mastic):

BarriBond can be used to fill joints, seams, and cracks on common exterior building substrates. Joints ranging from ⅛" to 1" width may be treated with BarriBond. All joints ¼" width or greater shall be filled with backer rod prior to the application of BarriBond. Apply a generous bead of BarriBond over joints, seams, or cracks. Tool BarriBond using a putty knife, trowel or similar tool. BarriBond shall fill the joint or crack and shall be capped with a "ribbon" of sealant, minimum of 40 mils (0.040 inch) thickness, and shall extend a minimum of 1 inch beyond each side of the joint. When using BarriBond to detail CCW 705, 705FR-A, or 705 TWF systems, a 1 inch wide by 40-mils thick ribbon of BarriBond shall be centered over CCW sheet membrane/flashing terminations, reverse laps, field cut edges and T-joints. BarriBond can also be applied as a cant bead in inside corner conditions.

Elastomeric Joint Sealant Application (Expansion/Control Joints, Window-Rough Opening Joint):

BarriBond can be used as an elastomeric joint sealant in conditions such as expansion or control joints in CMU or concrete walls and to seal the window/door frame to the rough opening. In these applications, the joint and substrates shall be clean, sound, dry and free of silicone or other bond-breaking contaminants. Joint shall be minimum ¼" width and maximum 1" width. Sealant depth shall be minimum ¼" and maximum ½". The joint shall be stuffed with closed cell polyethylene backer rod, or the bottom of the joint shall be taped with polyethylene bond breaker tape. Apply BarriBond into the joint and tool to a concave profile to assure complete fill of the joint and full contact with the substrate on each side of the joint.

Insulation Adhesive Application:

BarriBond can be used as an adhesive to bond rigid foam board insulation, including XPS, Insulfoam EPS, and R2+ Polyiso. Apply BarriBond in ⅜" thick by 3" diameter dabs to the back of rigid insulation, spacing adhesive dabs no more than 16" on center and no more than 3" from board ends and edges. After application of BarriBond dabs, immediately press the insulation board against the wall surface before adhesive "skins". If BarriBond "skins" before insulation can be placed, remove and apply fresh material. Secure the lowest row of insulation with fasteners, or begin from a ledge or footing to prevent slump or movement during cure of BarriBond.

Limitations

Use BarriBond as directed in CCW's membrane air systems, or in water resistive barrier (WRB) systems by others as approved by CCW. BarriBond is not suitable for Permanent UV exposure, cover product with exterior finish. BarriBond can be exposed to UV for a maximum of 6 months or 180 days. BarriBond is not intended as a wear-resistant or traffic-resistant surface. BarriBond is not recommended for spanning joints in excess of 1 inch wide or for filling joints/gaps of more than ½" depth. Do not apply BarriBond over visibly damp or wet substrates or over wood substrates having moisture content measuring 20% or higher. CCW BarriBond should not be installed in below grade conditions.

Packaging

BarriBond is packaged in 20 fl-oz sausages, 16 per box. Shelf life in original, unopened packaging is 12 months, provided the product is stored between 40°F and 80°F, 50% maximum relative humidity. Store BarriBond sausages in a cool, dry place protected from precipitation and direct sunlight.

Specifications

ASTM C 920 Type S, Grade NS, Class 25, Use NT

Federal Spec TT-S-00230C Type II, Class A

SCIENCE. SERVICE. SOLUTIONS.

LIQUID FLASHING & DETAIL SEALANT

BarriBond

Typical Properties

Property	Test Method	Results
Color		Blue
Membrane Thickness: CCW AVB & Applications: 40 mils		40 mils wet/ 36 mils dry
Liquid Flashing Theoretical Coverage Rate		6.27 SQ FT/ 20 fl-oz sausage
% Solids		90%
VOC	Directive 2004/ 42/ EG	26 g/L
Application Temperature		20°F to 110°F*
Service Temperature		Minus 40°F to 200°F
Cure Time		40 mil membrane: 24 h @ 75°F/50% RH
Tack Free Time	ASTM C 679	20 minutes
Open Time		Approx. 5 minutes @ 75°F/50% RH
Tensile Strength	ASTM D 412	400 psi
Tensile Elongation	ASTM D 412	500%
Movement Capability	ASTM C 719	± 25%
Hardness – Shore A	ASTM C 661	50 ± 5
Maximum UV Exposure		6 months

Limited Warranty

Carlisle Coatings & Waterproofing Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially affect their performance, Carlisle will, at its option, replace the materials or refund its purchase price. This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. Carlisle specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever. The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.

Carlisle Coatings & Waterproofing
900 Hensley Lane | Wylie, TX 75098 | 800.527.7092 | www.carlisleccw.com

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REPRINT CODE: 606301 - BarriBond Technical 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

079200-013 REV1
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

079200
SPECIFICATION SECTION / PARAGRAPH

leonard Masonry
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

1/17/17
DATE

To be completed by Reviewer

07 9200-013 REV002
CANNON DESIGN SUBMITTAL NUMBER

1/18/17
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

Kathy Williams
REVIEWED BY

1/19/17
DATE

PARIC
EXPERIENCE. EXCELLENCE.
77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0454

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 01/17/2017

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

Fax;
314-241-2203

RE: Sealants for Masonry Product Data REV1

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		079200-013	2		01/17/2017	Sealants for Masonry Product Data REV1	Submitted

NOTES:

CC:

Signed: _____
Devin Gates

TRANSMITTAL LETTER

Leonard Masonry, Inc.

5925 Fee Fee Road
St. Louis, MO 63042

Transmittal # **945-13**

Date: 1/16/2017
Phone: (314) 731-5500
Fax: (314) 731-3366

Project Name: Webster University Interdisciplinary Science Building **Project #:** 945

To: Paric Corporation
Attn: Jason Szachnieski
77 Westport Plaza Drive
Suite 250
St. Louis, MO 63146

SUBJECT: Submittal 945-08, Rev #1 Sealants

Phone: (636) 561-9500 **Fax:** (636) 561-9501

Items listed are being sent
- ☑ Enclosed
- ☐ Under Separate Cover
- ☐ Via

We are transmitting the following to you:

- ☑ Product Data
- ☐ Architectural Drawings
- ☐ Engineering Drawings
- ☐ Samples
- ☐ Letters
- ☐ Change Order Requests
- ☑ Submittals: Submittal 945-08, Rev #1 Sealants
- ☐ Shop Drawings
- ☐ Specifications
- ☐ O & M Manuals
- ☐ Prints
- ☐ Plans
- ☐ Addenda
- ☐

Submittal: Sealants - Rev#1

Code/Spec	Copies	For	Product #	Summary Item
	1	Approval		Dow Corning 790
	1	Approval		Carlisle BarriBond
	1	Approval		OSI QB300
	1	Approval		Sealant compatibility letter

Remarks:

COPIES TO:

By: Ken Westhoff
Project Manager

Received by: _____ Date: _____