

AIR & VAPOR BARRIER

Fire Resist Barritech NP

Substrate Inspection

Concrete

Shall be cured in place 7 days minimum. It shall be smooth, with sharp protrusions such as cold joints ground flush. Honeycomb and holes/cracks exceeding ¼ inch across shall be filled with grout or mortar.

Concrete Masonry Unit (CMU)

Mortar joints shall be struck flush and shall be free of voids exceeding ¼" across. Mortar droppings shall be removed from brick ties and all other surfaces accepting Barritech NP and CCW accessories. Mortar joints shall be allowed to cure 3 days minimum before installation of Barritech NP.

Gypsum Sheathing

Sheathing boards shall be flush at joints, with gap between boards according to building code and sheathing manufacturer's requirements. Sheathing boards shall also be securely fastened to the structure with proper fastener type, technique and spacing according to building code and sheathing manufacturer's requirements. Sheathing boards shall be repaired or replaced if inspection reveals moisture damage, mechanical damage or if sheathing boards have exceeded the exposure duration or exposure conditions as required by the sheathing manufacturer.

OSB, Plywood, Lumber, Pressure-Treated Wood

Wood sheathing inspection carries the same protocol given for gypsum sheathing. Also, moisture content, measured with a wood moisture meter in the core of the substrate, shall be below 20%. Do not cover any wooden materials with Barritech NP or CCW accessories if moisture content is 20% or above. Do not encapsulate wood (such as nailers) with membrane, as this will cause premature rot. In most cases fire- and pressure-treated wood must be kiln dried to accommodate the less than 20% moisture content requirement.

Surface Preparation

Apply CCW contact adhesive to ALL surfaces accepting 705FR-A. CCW-702, CCW-702LV, CCW-702 WB, CCW-715, CAV-GRIP™ and TRAVEL-TACK™ are all acceptable for this application. Apply SURE-SEAL® primers to all surfaces accepting P/S Elastoform. SURE-SEAL EP-95, HP-250 and Low-VOC Primer are all acceptable for this application. Follow the application instructions on the respective contact adhesive/primer product data sheet.

Installation

In sheathing over stud construction, sheathing joints shall be detailed with any of the following three methods: 1) Prep surface with CCW Contact Adhesive and install 4" 705FR-A centered over joint; 2) 4" DCH reinforcing fabric centered over joint and imbedded in Barritech NP;

3) Fill joint with approved sealant and tool as shown in CCW details. Window openings, inside-outside corners, base of wall, roof line, control joints and other transitions shall be flashed with 705FR-A or Liquifiber-W imbedded in Fire Resist Barritech NP or DCH Reinforcing Fabric imbedded in Fire Resist Barritech NP. P/S Elastoform may be used to detail expansion joints and window wall transitions. Please consult CCW details for guidance.

Apply Fire Resist Barritech NP over surfaces at minimum 0.070" (70 mils) wet in a single or multiple coats through approved spray equipment. Recommended spray tip sizes are GHD 635 for high coverage and GHD 429 for detail coat. Theoretical application rate is 23 square feet per gallon in one coat. Fire Resist Barritech NP may also be applied with a paint roller. For roller application, apply a minimum of three 0.025" (25 mils) wet thickness coats. Theoretical application rate is 64 square feet per gallon for each coat. For roller application, allow Fire Resist Barritech NP to dry firm between coats.

705FR-A details can be applied to the substrate or over cured Fire Resist Barritech NP. All surfaces shall be prepped with CCW Contact Adhesive before installation of 705FR-A. Follow application instructions on the CCW Contact Adhesive product data sheet. Installer shall apply CCW Contact Adhesive in a sufficient footprint to extend a minimum of 1" beyond the edges of 705FR-A. Neighboring pieces of 705FR-A shall lap 2" minimum. If 705FR-A is installed over Fire Resist Barritech NP, seal terminating edges of 705FR-A with CCW-201, Sure-Seal Lap Sealant or approved sealant by others. If 705FR-A is installed to the substrate, lap Fire Resist Barritech NP at least 2" over edges of 705FR-A. For installation of LiquiFiber-W™ in Fire Resist Barritech NP details, fill all gaps with approved sealant. Apply a bed of Fire Resist Barritech NP at 30 wet mils thickness. Lay LiquiFiber-W into Fire Resist Barritech NP and press in place with chip brush or drywall knife. Set the LiquiFiber-W tight into corners (no bridging), and then smooth over surface. Overlap neighboring pieces of LiquiFiber-W at least 2" and apply 30 wet mils of Fire Resist Barritech NP into the laps. Immediately encapsulate the LiquiFiber-W with a second coat of Fire Resist Barritech NP. Cover all LiquiFiber-W with Fire Resist Barritech NP the same day of installation. Liquifiber-W can be used on inverted surfaces, and it will conform to complex multi-plane details without precise cutting and fitting.

Installation of DCH Reinforcing Fabric is performed like Liquifiber-W, with the following differences: fill all gaps exceeding ¼" with approved sealant. DCH Reinforcing Fabric is not suitable for use over complex, multi-plane details or on inverted surfaces.

Fire Resist Barritech NP may be left exposed up to 6 months (180 days). During exposure, the membrane surface may darken and lose sheen, while the core remains pliable and rubber-like. This is acceptable. If the membrane is damaged during exposure, repair damaged membrane by

removing loosely adhered material, cleaning the surface and coating the damaged area with a minimum 0.070" (70 mils) wet thickness coating of Fire Resist Barritech NP.

Clean Up

Promptly clean uncured Fire Resist Barritech NP from hands, tools, surfaces and spray equipment with a solution of tap water and citrus degreaser. Cured product must be removed mechanically or by soaking in a solvent such as xylene.

Packaging

Fire Resist Barritech NP

Fluid-applied, fire-resistant air/vapor barrier packaged in 50-gallon drums and 5-gallon pails

Other CCW Products:

Fire Resist 705FR-A

36" x 75' roll: (225 ft²/roll) 1 roll/box
24" X 100' roll: (200 ft²/ roll) 1 roll/box
18" X 100' roll: (150 ft²/ roll) 1 roll/box
12" X 100' roll: (100 ft²/ roll) 2 roll/box
9" X 100' roll: (75 ft²/ roll), 2 roll/box
6" X 100' roll: (50 ft²/ roll) 4 roll/box
4" X 100' roll: (33.3 ft²/ roll) roll/box

Fire Resist 705FR-A is available with standard or low temperature (LT) adhesive formulas.

CCW Sure-Seal Pressure-Sensitive Elastoform Flashing

(P/S Elastoform) 90 mil malleable, self-adhering EPDM flashing. Provided in 50' rolls of 12", 9" and 6" widths.

Sure-Seal EPDM Primers

EP-95 Splicing Cement: Solvent-Based, packaged in 1-gal can
HP 250 Primer: solvent-based, packaged in 2.5-gal pails.
Low-VOC Primer: OTC Compliant, solvent-based. Packaged in 1-gal cans.

LiquiFiber-W

Glass matt consisting of randomly oriented strands in soluble binder. Packaged in 300' rolls of 6" and 12" widths.

DCH Reinforcing Fabric

Woven polyester fabric available in 324', rolls of 4", 6", and 12" widths.

CCW Contact Adhesives: (select any)

CAV-GRIP

Aerosol spray contact adhesive packaged in pressurized cylinders containing 30 lb. fill weight of adhesive. Reusable spray gun and 6', 12' or 18' hose are sold separately and are attached to cylinder for dispense.

CCW-702

Solvent-based contact adhesive packaged in 1-gal cans and 5-gal pails

CCW-702 LV

OTC-compliant, solvent-based contact adhesive packaged in 5-gal pails

CCW-702 WB

Water-based contact adhesive packaged in 5-gal pails

CCW-715

Solvent-based contact adhesive for green concrete, packaged in 5-gal pails

TRAVEL-TACK™

Aerosol contact adhesive packaged in 12-oz. cans

Approved Sealants:

LM 800 XL (under Fire Resist Barritech NP)

Trowel-grade synthetic rubber sealant packaged in 29 fl-oz cartridges, 12 per case and in 5-gal pails

CCW-201 (over or under Fire Resist Barritech NP)

2-part, Non-Sag Polyurethane Sealant packaged in 1½-gal kits

Sure-Seal Lap Sealant (over or under Fire Resist Barritech NP)

1-part, solvent-based synthetic rubber. Packaged in 10.3 fl-oz cartridges, 25 per case.

Sealants by Others: (over or under Fire Resist Barritech NP)

Polyurethane, polyether or MS polymer sealant meeting ASTM C920 Type S or M, Grade NS, Class 25, 35, 50 or 50/100, Use NT Outdoor Grade Acrylic Latex Caulk meeting ASTM C834 Type OP Grade minus 18°C

Sealants by Others: (over Fire Resist Barritech NP only)

Silicone sealants meeting ASTM C920 Type S, Grade NS, Class 25, 35, 50 or 50/100, Use NT

Limitations

- Do not allow product in packaging or in spray equipment to freeze.
- Maintain product temperature above 45°F during spray.
- Do not apply at ambient temperature below 40°F or if temperature is expected to fall below 32°F in the next 16 hours.
- Do not apply product in rain. Do not install if rain is expected during drying time of product.
- Do not use in areas where temperatures exceeding 180°F are anticipated.
- Product is designed to be used as a positive side water barrier and will not function as negative side water barrier.

Storage

Store Fire Resist Barritech NP and accessory products in a location protected from temperature extremes, precipitation and direct sunlight. Protect Fire Resist Barritech NP from freezing temperatures during delivery, storage and handling. Do not use product that has been frozen. Shelf life of Fire Resist Barritech NP in original, unopened packaging, stored under these conditions is one year from the date of manufacture.



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: <i>Kuenz Heating and Sheet Metal</i> 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:

☒ Shop Drawings	☐ Submittals	☐ Specifications	☐ Color Charts
☒ Data Sheets	☐ Drawings	☐ Catalog Cuts	☐ Change Order
☐ Brochure	☐ Schedule	☐ Addendum # _____	☐ Samples

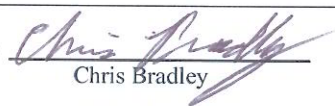
1	Mock up shop drawings
	Insulation data sheet
	Cascadia clip information
	Air and water barrier penetration sealant

The files attached are to be considered for:

☒ For approval	☒ For review	☐ Not approved	☐ As requested
☐ For quotation due	☐ For your information	☐ For revision	
☐ Other: _____			

Remarks:

Copy to: _____

Submitted by: 
Chris Bradley

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chris@kuenzsheetmetal.com