Force Engineering & Testing
19530 Ramblewood Drive
Humble, Texas 77338
Phone: (281) 540-6603 FAX: (281) 540-9966
Website: www.forceengineeringtesting.com

Project Number: 730-0137T-20A

Test Report Date: December 18, 2020

Test Report Expiration Date: December 18, 2030

Test Material: Coronado Stone Veneer Wall Assembly

Test Protocol: The test was conducted in accordance with ASTM E 330-02/ ASTM E 330-14 *STANDARD TEST METHOD FOR THE STRUCTURAL PERFORMANCE OF EXTERIOR WINDOWS, CURTAIN WALLS, AND DOORS BY UNIFORM STATIC AIR PRESSURE DIFFERENCE.*

Test Location: Force Engineering & Testing
19530 Ramblewood
Humble, TX 77338

Accreditation: ISO/IEC 17025:2005 by PJLA Accreditation #104507 for

Report Prepared/Reviewed by:

Brandon Jasek, P.E.
Lab/Technical Manager

Report Authorized by:

Johnathan Green, P.E.
President

ACCREDITED LABORATORY

TEXAS DEPARTMENT OF INSURANCE ACCREDITED LABORATORY

Project Number: 730-0137T-20A

PURPOSE:

This test method covers the evaluation of the structural performance of the stone veneer wall assembly under uniform static air pressure difference using a test chamber.

TEST DATE:

November 23, 2020

TEST SPECIMEN:

Client/Manu.: Oldmill Thin Brick Systems
14932 Concord Park Drive
Bluffdale, UT 84065

Wall System: 4'x8' Test Specimen (Interior to Exterior)

- 2x4 SYP #2 Studs at 16" O.C.
- 7/16" OSB sheathing fastened to 2x4 wood framing with (1) 8D x 2-1/2" Galv. Ring Shank Patio/Deck Nails at 6" O.C. interior & exterior
- (2) coats of Old Mill Air & Water Barrier rolled onto the OSB. Old Mill Poly-Laminate fabric used around the perimeter to seal the joint.
- 1" thick Old Mill Panel+ EPS foam panel fastened to OSB with (1) #9 x 2 ½" Screw with plastic insulation washer (2" diameter) at 8" O.C. interior & exterior.
- ¾" bead of Old Mill Brick & Panel adhesive applied to back of the stone veneer and the stone veneer pressed onto the foam panel.
- Stone Veneer: Coronado Honey Ledge series drystacked with NO grout in joints, 2"-6" in height, length varies with max 20" long, thickness 1".
- Stone Joints: Joints were not grouted.

Cure Time: The wall cured for 28 days before testing.

Test Specimen Size: 4'-0" wide x 8'-0" long

TESTING APPARATUS:

High Pressure Blower: 18 hp blower.
Test Chamber: 12' x 24' vertical chamber.
Mounting Frame: #2 SYP 2x10 Wood
Pressure Indicator: Digital Pressure Indicator, PT 1, 2
Dimensional: Stings #1 & 2
Equipment Calibration Date: September 2020
Temperature: 73° F before/during

RESULTS/CONCLUSIONS:

The Wall Assembly successfully passed a test pressure of +/-150.0 psf with no failures.

Test Deflections:

Test Pressure (psf)	Deflection	Permanent Set
+50.0	0.0625”	0.0000”
-50.0	0.0625”	0.0000”
+75.0	0.0938”	0.0000”
-75.0	0.0938”	0.0000”
+100.0	0.1250”	0.0313”
-100.0	0.1250”	0.0313”
+150.0	0.2813”	0.0625”
-150.0	0.1250”	0.0313”

Deflection was taken at the center of the test specimen, mid span.

GENERAL NOTES REGADING RESULTS/CONCLUSIONS:

- The test results shown herein relate only to the items tested and listed herein.
- There were no additions, deviations or exclusions to the test method used to obtain these results.
- This test was not performed to check conformity of the test specimen to any other specification other than those denoted herein.
- This report shall only be reproduced as one complete document and shall not be reproduced in part except with the approval of Force Engineering & Testing.
- The test materials were received on October 20, 2020.
- During this test, tape and plastic were used to seal against air leakage. The tape and plastic had no restrictive influence on the test.

STATEMENT OF INDEPENDENCE:

Force Engineering & Testing or any persons employed by them do not have any financial interest in Oldmill Thin Brick Systems.

Force Engineering & Testing is not owned, operated or controlled by Oldmill Thin Brick Systems.

TEST ASSEMBLED BY:

John Striednig Oldmill Thin Brick Systems

TEST CONDUCTED BY:

Brandon Jasek, P.E. Force Engineering & Testing

Digitally signed by Johnathan Green
DN: cn=Johnathan Green, c=US, o=Force Engineering and Testing, email=jgreen@forceengineeringtesting.com
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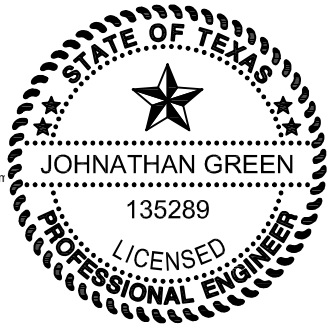
Date: 2021.01.11 09:28:26 -06'00'



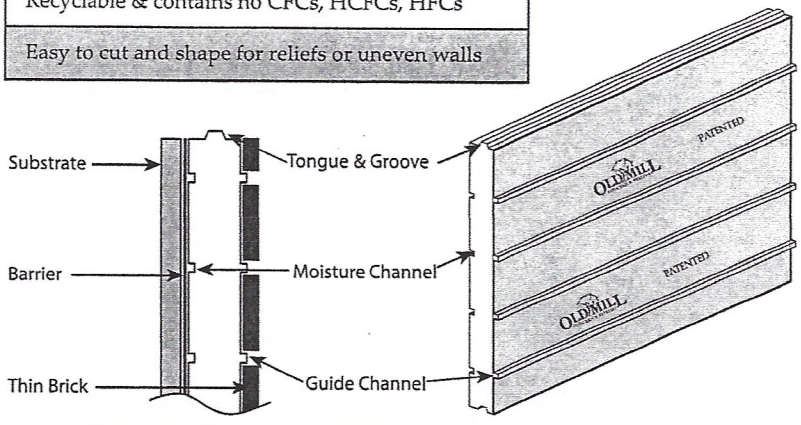
Force Engineering and Testing
State of Texas
Registration No. F-21280

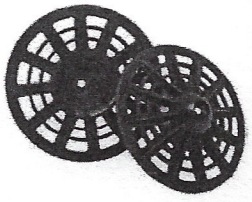
Appendix

Products

Old Mill Patented Panels

- Available in 2'x4' and 4'x4' sheets. 1" - 4" thick
- Recommended component of LEED projects
- Exeeds ASTM C578 for thermal insulation
- Recyclable & contains no CFCs, HCFCs, HFCs
- Easy to cut and shape for reliefs or uneven walls





Old Mill Fasteners

- Greater flexibility reduces crushed EPS
- 36 holes to increase base coat adhesion
- Unique color for easy identification
- Great performance in hot or cold weather
- Packaged for easy handling (Sleeves of 25)

Old Mill Adhesive

- Easy to mix 50 lb. bag
- Smooth, easy to trowel
- Superior pull out strength
- Meets ANSI 118.11 standards

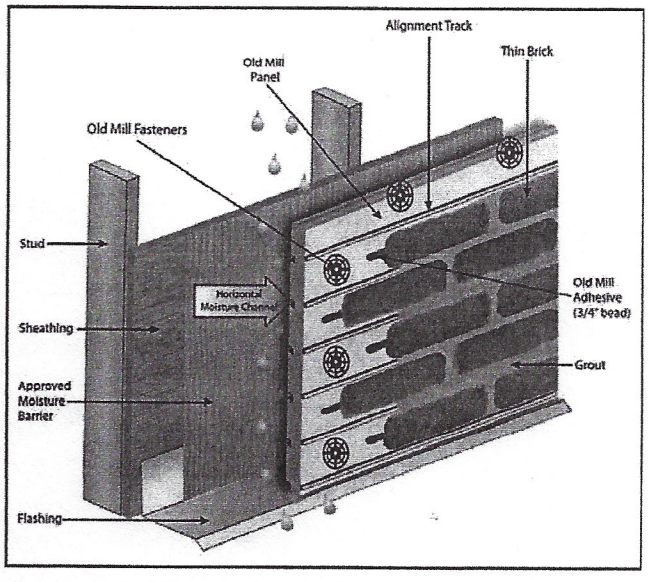
*Brick colors in this brochure represent general color range and texture. Precise color consistency is difficult to represent in print. Colors may vary.

Prior to installation, check with all local building codes and regulations. For additional installation tips check with your local building professional.

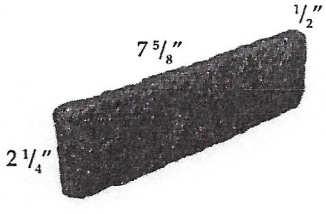
WARNING: The dust generated from dry sawing may contain silica and may be a potential health problem for the lungs. Wet sawing is recommended. Wear all necessary protective gear.

Advantages of the Old Mill System

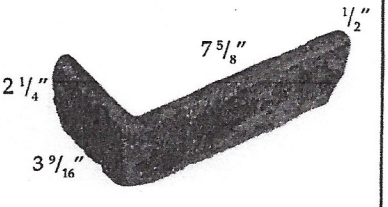
- Time & labor savings. Faster install with guide channels
- Light weight and easy to handle, no sharp edges
- Use with nearly all brands and sizes of thin brick
- High R-Value without thermal drift
- More design potential. Easier architectural reliefs
- Meets ASTM C1088 thin brick standards
- Meets ASTM E84-08 surface burn test standards
- ASTM C482 shear test results of 1,649 lbs. sq. ft.
- United States Patents: 6,516,578 & 7,121,051



Colonial Flats
- 50 bricks per box
- Covers 7.3 sq. ft.



Colonial Corners
- 25 corners per box
- Covers 4.8 linear ft.



washers using screws at least 1" longer than the thickness of the panel and substrate. These fasteners should be installed every 16" horizontally and 8" vertically. More fasteners should be used around edges. Care must be taken to assure that the fastener is firmly seated on the foam panel and fastened so that the outer surface of the fastener is flush with the outer surface of the panel.Begin panel installation at an outside cornerPanels must overlap where they meet at outside cornersAt inside corners, position panel to accommodate a backer rod and sealantDo not install panels below gradeUse a utility knife, hand saw or hot knife to cut panels where necessary. Where panels abut wall openings, maintain a 1/4" clearance between the panels and the flashings. Offset successive vertical rows of panels at least 16"

Adhesively Applied

Solid substrates (brick, block, concrete, etc.): Begin by applying a 10 mil WFT coat of Old Mill Air & Water Barrier liquid. After a minimum of 20 minutes, double back with a second pass and apply an additional 10 mil coat WFT of Old Mill Air & Water Barrier liquid over entire wall. Allow curing for a minimum of 18 hours protected from precipitation and freezing conditions. Old Mill panel may be applied after 18 hours.Nailable substrates (OSB, plywood, gypsum): Begin by applying a 10 mil WFT coat of Old Mill Air & Water Barrier liquid. Immediately embed runs of OldMill Polylaminate Reinforcing Fabric at all sheathing joints and outside corners by using a trowel and working from the center and moving outward, press the fabric into the wet weather barrier. Lap runs of mesh at least 2-1/2". After a minimum of 20 minutes, double back with a second pass andapply an additional 15 mil WFT coat of weather barrier over entire wall. Allow curing for 12-24 hours protected from precipitation and freezing conditions. Old Mill panel may be applied after 12-24 hours.Begin panel installation at an outside cornerPanels must overlap where they meet at outside cornersAt inside corners, position panel to accommodate a backer rod and sealantInstall pre-bricked panels as indicated on drawings being sure the appropriate panel configuration is installed to match the designation on the drawings.Do not install panels below gradeUse a utility knife to cut panels where necessaryWhere panels abut wall openings, maintain a 1/4" clearance between the panels and the flashingsOffset successive vertical rows of panels at least 16"

6. Availability and Cost

Availability

Old Mill Commercial Wall Systems products are available through a national network of local distributors in major US markets and in select regions of Canada. Contact Old Mill Brick for more information or go to www.oldmillbrick.com for more information.

Cost

Contact your local distributor for pricing in your market. Visit www.oldmillbrick.com to find your local distributor or to get in touch with the Old Mill Sales Team.

7. Warranty

To view the Old Mill 5/15 Year Commercial System Warranty please visit www.oldmillbrick.com.

8. Maintenance

No maintenance required

9. Technical Services

Technical assistance, including more detailed information, product literature, test results, project lists, samples, assistance in preparing project specifications and arrangements for job site inspection and consultation, is available by contacting Old Mill Technical Service Department.

(844) 737-2687
www.oldmillbrick.com
technicalservice@oldmillbrick.com

10. Filing Systems

Additional Information is available from the manufacturer upon request.

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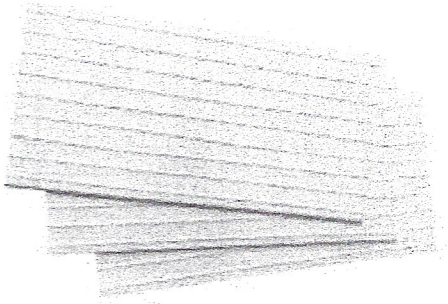
THIN BRICK SYSTEMS



1. Product Name

- Old Mill Panel+ EPS Foam Panels

2. Manufacturer

Old Mill Brick, LLC
14932 S. Concord Park Drive
Bluffdale, UT 84065

Phone: (888) 264-6455
(801) 542-7050

Web: www.oldmillbrick.com

3. Product Description

Basic Use

Old Mill Panel+ EPS Foam Panels are engineered continuous insulation panels designed for use in the Old Mill Panel+ engineered wall system. These patented panels provide the insulation layer as well as the substrate for adhered masonry veneers in commercial and residential applications. Specifically designed with functional profiles to accommodate drainage, ventilation, structural integrity and alignment for the various finishes that can be employed with the system, these panels are an integral part of the patented Old Mill Panel+ Full Wall System.

Composition & Materials

Old Mill Panel+ EPS Foam Panels are made of superior closed cell, lightweight and resilient expanded polystyrene (EPS).

All Old Mill manufacturing is quality controlled to ensure product performance and uniformity.

Packaging

- 2' x 4' Panels
- 4' x 4' Panels
- Thicknesses from 1"-4"
- Custom shapes, thicknesses and sizes also available

Advantages

- Environmentally Friendly
- Stable, Long-Term R-value – No Thermal Drift
- Water Resistance – No Swelling
- Code Approvals
- Cost Efficient
- Insect and Mold Resistance
- Superior Drainage and Drying Potential
- Recyclable
- Freeze/Thaw Stable in Service
- Consistent Quality Control
- Zero Ozone Depletion Potential (ODP)
- Qualifies for a 5 or 15 Year System Warranty

Limitations & Disclaimers

- Do Not Use in Below Grade Installations
- Comply With Local Building Code Requirements
- Not for Use as a Roofing or Below Grade Insulation
- Do Not Use Solvent Based Cleaners or Expose to Solvents

4. Technical Data

Applicable Standards

ASTM C203
ASTM C272
ASTM C518
ASTM C578
ASTM D1621
ASTM E84
ASTM E96
ICC ES AC12
NFPA 285

Physical Properties

Technical Data

ASTM D1621; Compressive Strength	15psi
ASTM C578 Classification	Type II
ASTM C518; R-value @ 25°F	4.8/inch
Maximum Service Temperature	180°F
ASTM E96; Permeance	3.5 Perms
ASTM E84; Flame Spread	<25
ASTM E84; Smoke Developed	<450
ASTM C203; Fkexural Strength	35psi

5. Installation

Mechanically Fastened

Begin by attaching drainable building wrap to entire wall surface where Old Mill Panel+ will be used. Attach foam panel over building wrap through sheathing with Old Mill plastic 2"

Cleaning

Clean tools and equipment with water.

6. Availability and Cost

Availability

Old Mill Commercial Wall Systems products are available through a national network of local distributors in major US markets and in select regions of Canada. Contact Old Mill Brick for more information or go to www.oldmillbrick.com for more information.

Cost

Contact your local distributor for pricing in your market. Visit www.oldmillbrick.com to find your local distributor or to get in touch with the Old Mill Sales Team.

7. Warranty

To view the Old Mill 5/15 Year Commercial System Warranty please visit www.oldmillbrick.com.

8. Maintenance

Depending on service, masonry walls may require periodic cleaning.

9. Technical Services

Technical assistance, including more detailed information, product literature, test results, project lists, samples, assistance in preparing project specifications and arrangements for job site inspection and consultation, is available by contacting Old Mill Technical Service Department.

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10. Filing Systems

Additional Information is available from the manufacturer upon request.

4. Technical Data

Applicable Standards

ASTM C109
ASTM C150
ASTM C270
ASTN C482
ANSI A118.1
ANSI A118.4
ANSI A118.5
ANSI A118.11

Physical Properties

Test:	Test Method:	Results:
Shear Bond, Non-Vitreous Tile; 7 Day	ANSI A118.4	>480psi
Shear Bond, Non-Vitreous Tile; 28 Day	ANSI A118.4	>550psi
Shear Bond, Porcelain Tile; 7 Day	ANSI A118.4	>300psi
Shear Bond, Porcelain Tile; 28 Day	ANSI A118.4	>360psi
Compressive Strength,	ASTM C109	>3300psi
Pot Life @ 70°F		6 hours
Adjustability @ 70°F		15 min

5. Installation

Surface Preparation

All surfaces should be dry, structurally sound, clean and free of dirt, dust, efflorescence, grease, oils, sealers, curing compounds, adhesive residues or any contaminant that could impede bond. Glossy surfaces should be mechanically roughened by sanding, shotblasting, sandblasting or other mechanical means. Existing tile should be abraded to provide for a mechanical bond. Do not proceed with work until the surfaces to be applied to comply with all manufacturer's requirements.

Also, clean the backs of the veneer pieces to be installed to the same standard as the substrate. Chip off any protrusions that would impede even setting of the veneer pieces.

When used, allow Old Mill Air & Water Barrier to dry overnight (12-24 hours) prior to application of finish.

Mixing

Into a clean 5 gallon pail add 5 quarts of clean potable water and slowly add the entire contents of a bag of Old Mill Brick & Panel Adhesive while mixing with a slow speed mixer for 1-2 minutes until a smooth, creamy consistency is achieved. Allow to slake for 5 minutes and remix for 1 minute. If necessary, adjust water slightly at this time adding only slight amounts of water being careful not to overwater the mix.

Admixtures

No admixtures of any kind should be used and use of admixtures will void all warranty coverage.

Application

Based on the substrate and type of finish being installed, select from one of the following application methods:

Notched Trowel Method

Using the appropriate size notched trowel based on finish piece size, start by keying in a thin coat of mortar into the substrate using the flat edge of the trowel. Then spread more material over the area sufficient to allow combing of the material to the desired size ridges with the notched side of the trowel. Spread only enough mortar that can be covered before skinning over. Apply additional mortar to the back of the finish piece to ensure full coverage when set. Place the veneer piece and adjust to desired position. Clean excess mortar from around the edges and apply to the next piece being set

Backbutter Method

Key in a thin layer of mortar to the back of the veneer piece being set. Add mortar to build approximately one half inch of mortar on the back of the piece ensuring the entire space between the veneer and substrate will be filled with mortar. Press the piece to the substrate and slide a bit sideways and back to squeeze out excess mortar all around the veneer being set. Using the trowel scrape the excess mortar from around the piece and apply to the next one.

Grout Bag Method

When setting thin brick into the Old Mill BrickPanel+ EPS panels, use a grout bag to apply a ¾" bead along the course between alignment ridges. Press the individual thin bricks into the mortar ensuring mortar extrudes out all around the thin brick. Scrape off any excess mortar that extrudes over the alignment ridges and reuse.

Grouting/Pointing (if needed)

Allow the veneer to set overnight (12-24 hours) before attempting to point the joints. Using a grout bag filled with Old Mill Colored Pointing Mortar or Type S/N masonry mortar, apply pointing mortar into the joints between the veneer pieces ensuring to fill the full depth of the joint and overfilling the joint beyond the face of the veneer to allow the needed material for compaction into the joint. Allow the pointing mortar to become thumbprint hard and tool as specified. Once dried, brush off crumbs and excess pointing mortar with a stiff bristle brush. Do not use metal brushes for this process.

oldmill
THIN BRICK SYSTEMS

1. Product Name

- Old Mill Brick & Panel Adhesive

2. Manufacturer

Old Mill Brick, LLC
14932 S. Concord Park Drive
Bluffdale, UT 84065

Phone: (888) 264-6455
(801) 542-7050

Web: www.oldmillbrick.com

3. Product Description

Basic Use

Old Mill Brick & Panel Adhesive is a premium, polymer modified, fiber-reinforced adhesive mortar designed specifically for the installation of thin adhered masonry veneer, including thin brick, natural stone, manufactured stone, tile, calcium silicate units and other code compliant adhered masonry materials when applied to approved substrates. Old Mill Brick & Panel Adhesive may be used for vertical, horizontal and overhead applications in both interior and exterior exposure. In addition, it is designed to adhere Old Mill Panel+ EPS panels to approved substrates. This versatile mortar may also be used as EIFS base coat and adhesive.

Composition & Materials

Old Mill Brick & Panel Adhesive is a dry, preblended, proprietary mortar containing cementitious materials, high-performance polymers, fiber and sand.

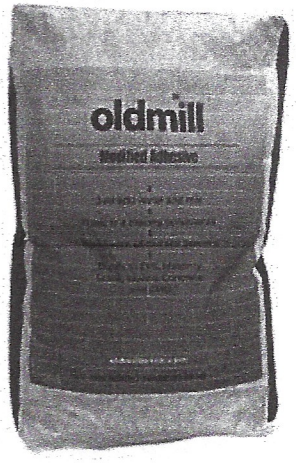
All Old Mill manufacturing is quality controlled to ensure product performance and uniformity.

Packaging

- 50 lb. Multi-wall bags

Coverage

Method of Application:	Coverage:
Old Mill Foam Trowel (1/2"x2"x1/2" U-Notch)	70SF
1/4" x 3/8" Square Notch Trowel	66SF
1/2" x 1/2" Square Notch Trowel	40SF
Backbutter Method	30-40SF
Grout Bag Method	70SF



Approved Substrates

- Poured in Place Concrete*
- Precast Concrete*
- Concrete Masonry Unit (CMU)
- Brick Masonry
- Cement Backer Unit (CBU)
- Cement Mortar/Plaster/Scratch Coat
- Ceramic/Porcelain Tile
- Natural Stone
- Exterior Rated Gypsum Sheathing†
- Oriented Strand Board (OSB)†
- Gypsum Wallboard/Plaster (interior, dry areas only)
- Exterior Glue Plywood (EGP) (interior, dry areas only)†

* Release agents must be mechanically removed prior to application

† Exterior use only when coated with Old Mill Air & Water Barrier

Advantages

- Provides Maximum Adhesion
- High Strength Fiber Reinforcement
- Excellent Workability for Easy Installation
- Greater Efflorescence Resistance than Type S/N Mortar
- Low Shrinkage Reduces Cracking/Debonding Risk
- Mix With Water Only
- Freeze/Thaw Stable
- Consistent Quality Control
- Flexible Formulation Accommodates Movement
- Qualifies for a 5 or 15 Year System Warranty
- Can be Used Below Grade and in Immersion

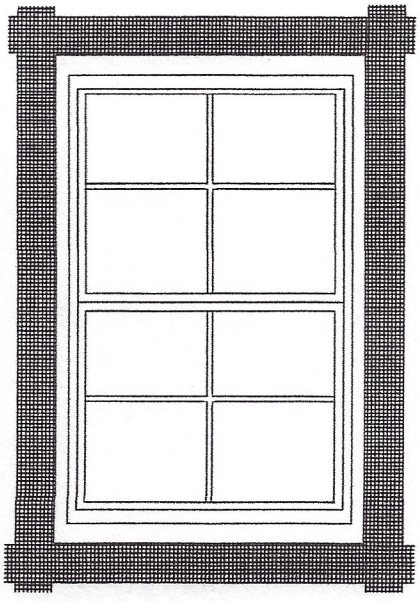
Limitations & Disclaimers

- Do Not Cover Over Movement Joints With Mortar
- Substrate Maximum Design Deflection of l/360
- Comply With Local Building Code Requirements
- Apply When Temperature is Between 42°F and 95°F
- Do Not Retemper Once Mixed. Do Not Overwater
- For White and Light Colored Stones, Conduct a Test Area to Ensure There is no Staining or Shadowing

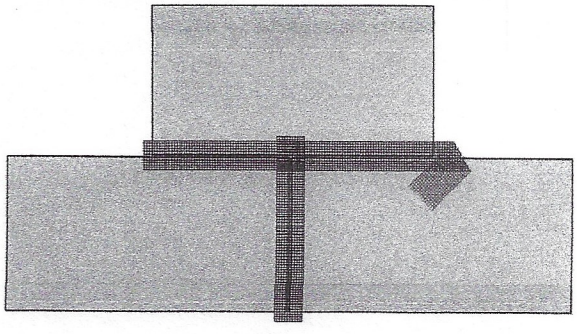
OLD MILL ROLL ON BARRIER
&
POLY-LAMINATE

The Old Mill Poly-Laminate is a lightweight, thermally set, polyester mat that is a 100% continuous filament fabric and reinforced with a 2.67 x 2.67 yarn for added strength and stability. When used in conjunction with Old Mill Barrier, benefits include tear strength, cold application and bond adhesion. It is also lightweight, non-raveling, mildew resistant and UV resistant.

Poly-Laminate around window

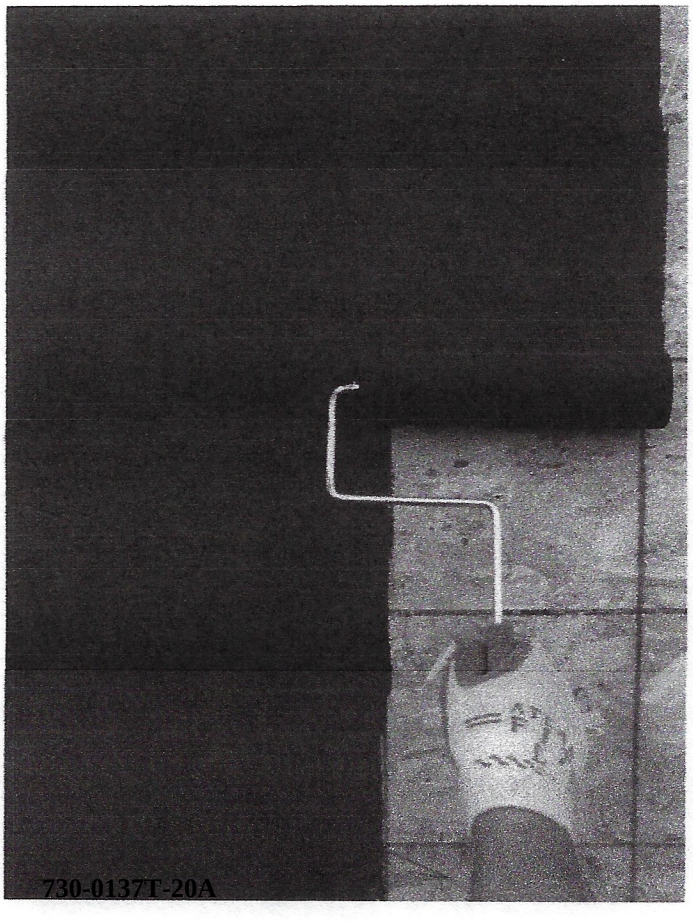


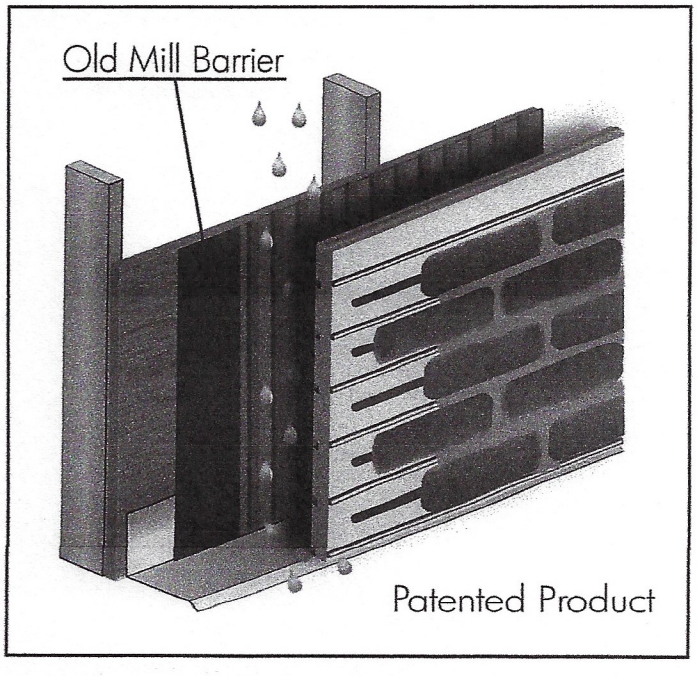
Poly-Laminate as applied to seams



OLD MILL ROLL ON BARRIER
&
POLY-LAMINATE

The Old Mill Roll on Barrier is a moisture barrier for external applications. The Barrier is applied directly to most common types of substrates and offers superior moisture resistance. The Old Mill proprietary blend will meet or exceed your expectations.





4. Technical Data

Applicable Standards

ASTM C297/E2134
ASTM D1970
ASTM D2247
ASTM E72
ASTM E84
ASTM E96
ASTM E330
ASTM E331
ASTM E1233
ASTM E1354
ASTM E2178
ASTM E2357
ASTM E2485
AATCC 127
ICC ES AC212
NFPA 285

Physical Properties

Technical Data

VOC Content, g/L	10
Color	Maroon
ASTM D1970 Nail Sealability	Pass
Maximum Service Temperature	180°F
ASTM E96 Permeance	30 Perms
ASTM E2357 Air Leakage	0.003L/s-m²
ASTM E330	Pass @ 150 PSF
Application Range	42 – 95 °F

5. Installation

Surface Preparation

All surfaces should be dry, structurally sound, clean and free of dirt, dust, efflorescence, grease, oils, sealers, curing compounds, adhesive residues or any contaminant that could impede bond. Existing tile should be abraded to provide for a mechanical bond. Do not proceed with work until the surfaces to be applied to comply with all manufacturer's requirements.

Exterior sheathing panels should be installed in compliance with manufacturer's instructions. Masonry walls should be treated to patch cracks, voids and other irregularities and remove any protrusions, Fill mortar joints and strike flush. Cast concrete must cure 28 days prior to application of membrane and all form releases must be mechanically removed.

Mixing

Thoroughly stir Old Mill Air & Water Barrier to a homogenous consistency. Do not add water, accellerators or retarders.

Application

Old Mill Air & Water Barrier is applied by first treating the sheathing joints (where applicable), fastener locations, and changes of plane/substrate by first applying a thin layer of Old Mill Air & Water Barrier then embedding Old Mill Polylaminate Fabric into the wet air barrier and troweling smooth. Fastener locations may be spot treated with a brush or trowel and do not require the reinforcing mesh.

Coat the entire surface to be treated using brush, roller (½" to ¾" nap), trowel or airless spray equipment techniques. Apply an even, continuous coat of 15 mils wet film thickness (wft). CMU, OSB and other rough, absorptive substrates require two coats to achieve a pinhole free coating.

Clean tools and equipment with soapy water.

6. Availability and Cost

Availability

Old Mill Commercial Wall Systems products are available through a national network of local distributors in major US markets and in select regions of Canada. Contact Old Mill Brick for more information or go to www.oldmillbrick.com for more information.

Cost

Contact your local distributor for pricing in your market. Visit www.oldmillbrick.com to find your local distributor or to get in touch with the Old Mill Sales Team.

7. Warranty

To view the Old Mill 5/15 Year Commercial System Warranty please visit www.oldmillbrick.com.

8. Maintenance

No maintenance required

9. Technical Services

Technical assistance, including more detailed information, product literature, test results, project lists, samples, assistance in preparing project specifications and arrangements for job site inspection and consultation, is available by contacting Old Mill Technical Service Department.

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technicalservice@oldmillbrick.com

10. Filing Systems

Additional Information is available from the manufacturer upon request.

oldmill
THIN BRICK SYSTEMS

1. Product Name

- Old Mill Air & Water Barrier

2. Manufacturer

Old Mill Brick, LLC
14932 S. Concord Park Drive
Bluffdale, UT 84065

Phone: (888) 264-6455
(801) 542-7050

Web: www.oldmillbrick.com

3. Product Description

Basic Use

Old Mill Air & Water Barrier is a high quality, elastomeric, single component, fluid applied membrane specifically formulated for use as a load bearing, crack isolation, waterproofing and air barrier that is easily applied by roller, brush, trowel or spray. Old Mill Air & Water Barrier forms a continuous air & water barrier that protects approved substrates from air infiltration/exfiltration as well as incidental water damage. Specifically designed to also be a component of the Old Mill Panel+ continuous insulation engineered wall system. It is suitable as a substrate for affixing adhered masonry veneers as well as EPS Foam Panels when used in conjunction with Old Mill Adhesives.

Composition & Materials

Old Mill Air & Water Barrier is 100% acrylic, single component, water based, Low VOC liquid.

All Old Mill manufacturing is quality controlled to ensure product performance and uniformity.

Packaging

- **5 Gallon Plastic Pails**

Coverage

300-500 SF/Pail depending on substrate

Shelf Life

300-500 SF/Pail depending on substrate

Approved Substrates

- Poured in Place Concrete*
- Precast Concrete*
- Concrete Masonry Unit (CMU)
- Brick Masonry
- Cement Backer Unit (CBU)
- Cement Mortar/Plaster/Scratch Coat
- Ceramic/Porcelain Tile
- Natural Stone
- Exterior Rated Gypsum Sheathing
- Oriented Strand Board (OSB)
- Exterior Glue Plywood (EGP)

* Release agents must be mechanically removed prior to application

Advantages

- Provides Maximum Adhesion
- High Permeability (Non-Permeable Version Available)
- Highly Flexible to Bridge Cracks in Substrate
- Meets ASTM E2537Air Leakage of Building Assemblies
- Meets ASTM D1970 Nail Sealability Requirements
- Install Adhered Masonry Veneers Directly
- Sprayable With Airless Spray Equipment
- UV Exposure Window of Up to Six Months
- User Friendly Single Component
- Water Based for Safety and Simple Clean-up
- Freeze/Thaw Stable in Service
- Consistent Quality Control
- Fluid Applied Simplifies Sealing Complex Detailing
- Qualifies for a 5 or 15 Year System Warranty
- Can be Used Below Grade and in Immersion

Limitations & Disclaimers

- Do Not Use in Negative Hydrostatic Pressure Applications
- Always Consult With Design Professional for Placement Location and Permeability Requirements
- Comply With Local Building Code Requirements
- Apply When Temperature is Between 42°F and 95°F
- Not for Use as a Roofing Membrane Over Occupied Space
- Do Not Use Solvent Based Cleaners or Expose to Solvents

TECHNICAL DATA

CORONADO STONE PRODUCTS

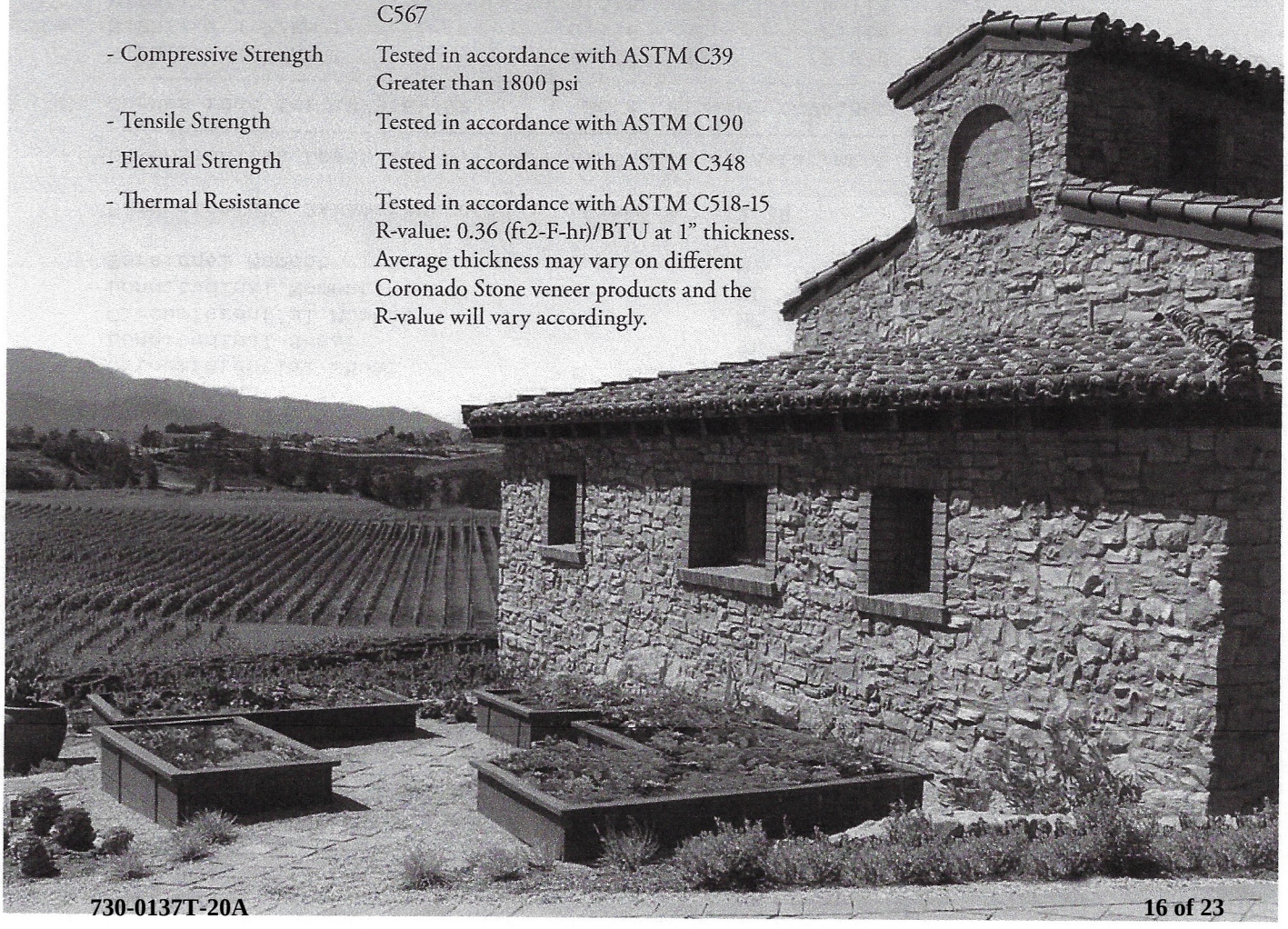
Coronado Stone® is manufactured to meet or exceed specifications for all major code approvals. Independent testing confirms compliance with ICC-ES AC51 for Precast Stone Veneer. Always check your local building codes before installing stone.

MATERIALS:

- Cement	ASTM C150
- Sand	ASTM C144 or C33
- Aggregate	ASTM C33 or C330

TESTING:

- Shear Bond Test	Tested in accordance with ASTM C482 Greater than 50 psi
- Water Absorption	Tested in accordance with section 3.1.4 & 4.6 of ICC-ES AC51
- Freeze / Thaw	Tested in accordance with ASTM C67 Less than 3% mass loss
- Unit Weight	Shipping weight is less than 15 lbs. per sq. ft. Density is determined in accordance with ASTM C567
- Compressive Strength	Tested in accordance with ASTM C39 Greater than 1800 psi
- Tensile Strength	Tested in accordance with ASTM C190
- Flexural Strength	Tested in accordance with ASTM C348
- Thermal Resistance	Tested in accordance with ASTM C518-15 R-value: 0.36 (ft2-F-hr)/BTU at 1" thickness. Average thickness may vary on different Coronado Stone veneer products and the R-value will vary accordingly.



Coronado Honey Ledge

CORONADO STONE PRODUCTS

Installation Specifications

At **www.CORONADO.com** product specifications can be downloaded in CSI format.

Choices Specific to Coronado Honey Ledge

Standard Colors: Aspen, Carmel Mountain, Chablis, Four Rivers, Golden Harvest, Grey Quartzite, Palomino, Rocky Mountain Rundle, Shasta, Sioux Falls or Any Custom Color

Grout Joint Width: Drystacked

Grouting Options: Drystacked

Grout Joint Color: Color should be added to mortar to complement stone color.

Accessories: Corners, Complementary Tiles, Wall Caps, Post Caps and more. (See Accessories section of binder)

Special Installation Notes

Pattern: Do not install stones vertically. Blend the stone on the wall from several different boxes to ensure proper color and size variation. **See catalog photos for recommended installation pattern.**

Chalk Lines: Should be used by installer to ensure a straight and level pattern.

Vertical Joints: Should be no higher than 4" to 6" on average.

Horizontal Joints: Should not exceed 6' to 8'.

Sealing: Not required. However, if installed on an exterior exposed to excessive water from runoff or improper drainage, we suggest the product be sealed in that particular area to protect it from staining or spalling during freeze-thaw cycles.

Freeze-Thaw: When installing stone in a freeze-thaw environment, extra care should be taken to ensure a full coverage of mortar on the back of each stone, which will prevent water pooling behind the stone after it's been installed.

Drystacked: A polymer modified mortar should be used for all drystacked applications.

Installation Info: Download Coronado's latest installation instructions at www.coronado.com for information on mortar and installation recommendations.

Profile Properties

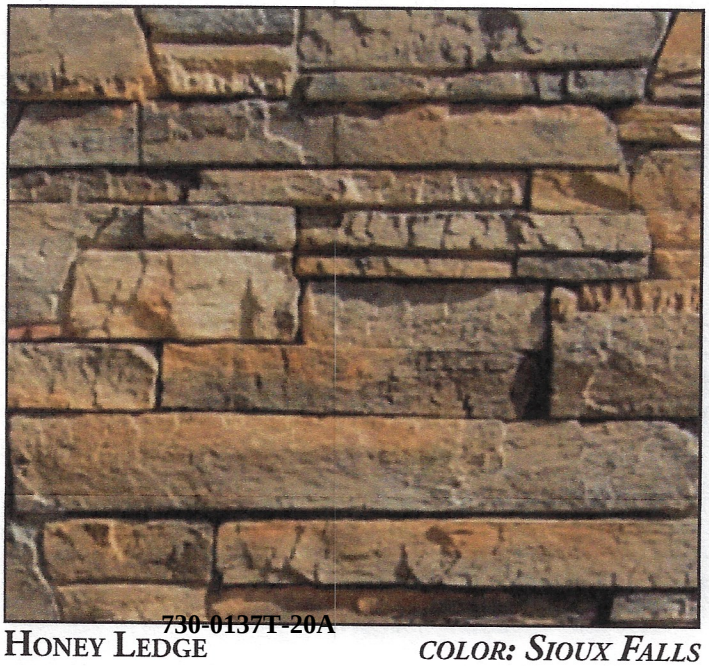
Size: Coronado Honey Ledge is a combination of individual stones and panelized stones , which makes it easier to install and harder to detect the panels. Individual stone sizes range from 2" to 4" in height and up to 20" in length. There is a small percentage of larger individual stones, that range from 5" to 6" in height, not exceeding 10" in length. Stones sizes within the panels range from 1/2" to 4" in height. (All sizes are nominal).

Thickness: Standard stones average 1". Optional stick-out stones range from 1¼" to 2"

Weight: 7 to 10 lbs. per square foot.

Packaging: Available in big boxes (150 sq ft Flats & 100 lft Corners) or Dura-Paks (12.5 sq ft Flats & 12.5 lft Corners). **When purchasing Coronado Honey Ledge, coverage is based on installation with tightly-fitted joints.**

Drystacked



HONEY LEDGE *COLOR: SIOUX FALLS*

Drystacked

HONEY LEDGE *COLOR: SHASTA*

Internet #300248832 Model #P212STGD40 Store SKU #1002149888

Hover Image to Zoom

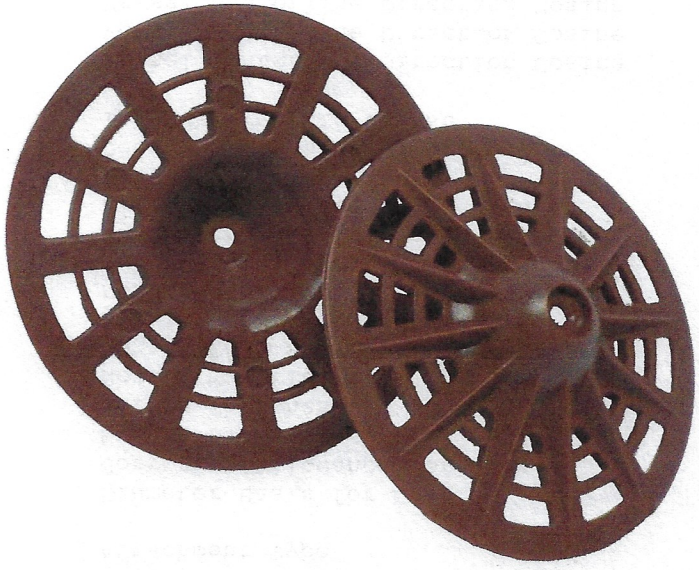
2-1/2 in. Star-Drive Flat-Head Gold All Purpose Screw

81

by **Grip-Rite** ›

★★★★½ (5) Write A Review Questions & Answers (2)

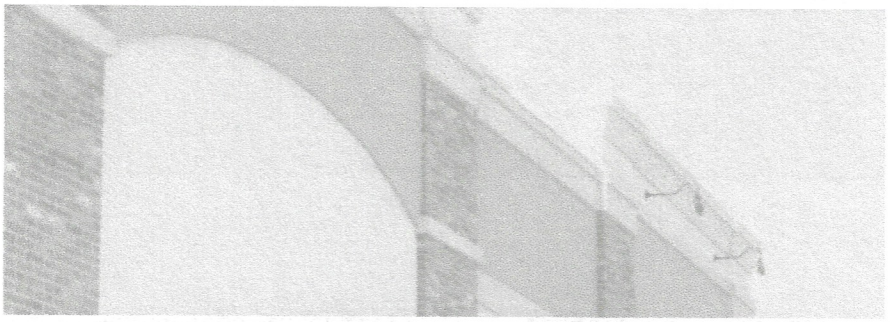
Finally, a fastener that works!



Old Mill Fasteners are perfect for exterior/interior EFIS or the patented Old Mill Thin Brick System.

- Greater Flexibility
- No More Punctured Foam
- Greater Substrate Adhesion
- Wide Ranging Temprature
- Packaged in Sleeves of 25
- 1,000 Units per Case

OLD MILL FASTENERS



Old Mill Fasteners

Greater flexibility makes crushed EPS a thing of the past.

36 real holes to increase base coat adhesion.

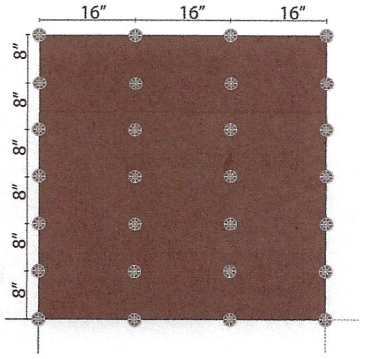
Unique color for easy identification.

Great performance in hot or cold weather.

Packaged for easier handling on jobsites. (Sleeves of 25)

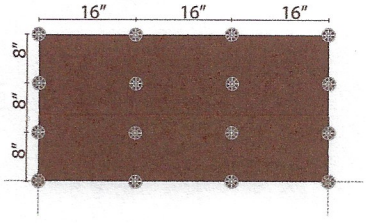
Guidelines for Old Mill Thin Brick System:

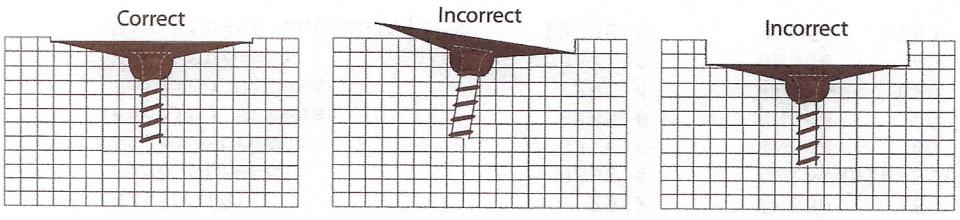
4' X 4' Sheets

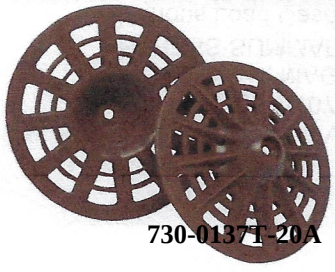


Guidelines for EFIS:

2'X 4'Sheets





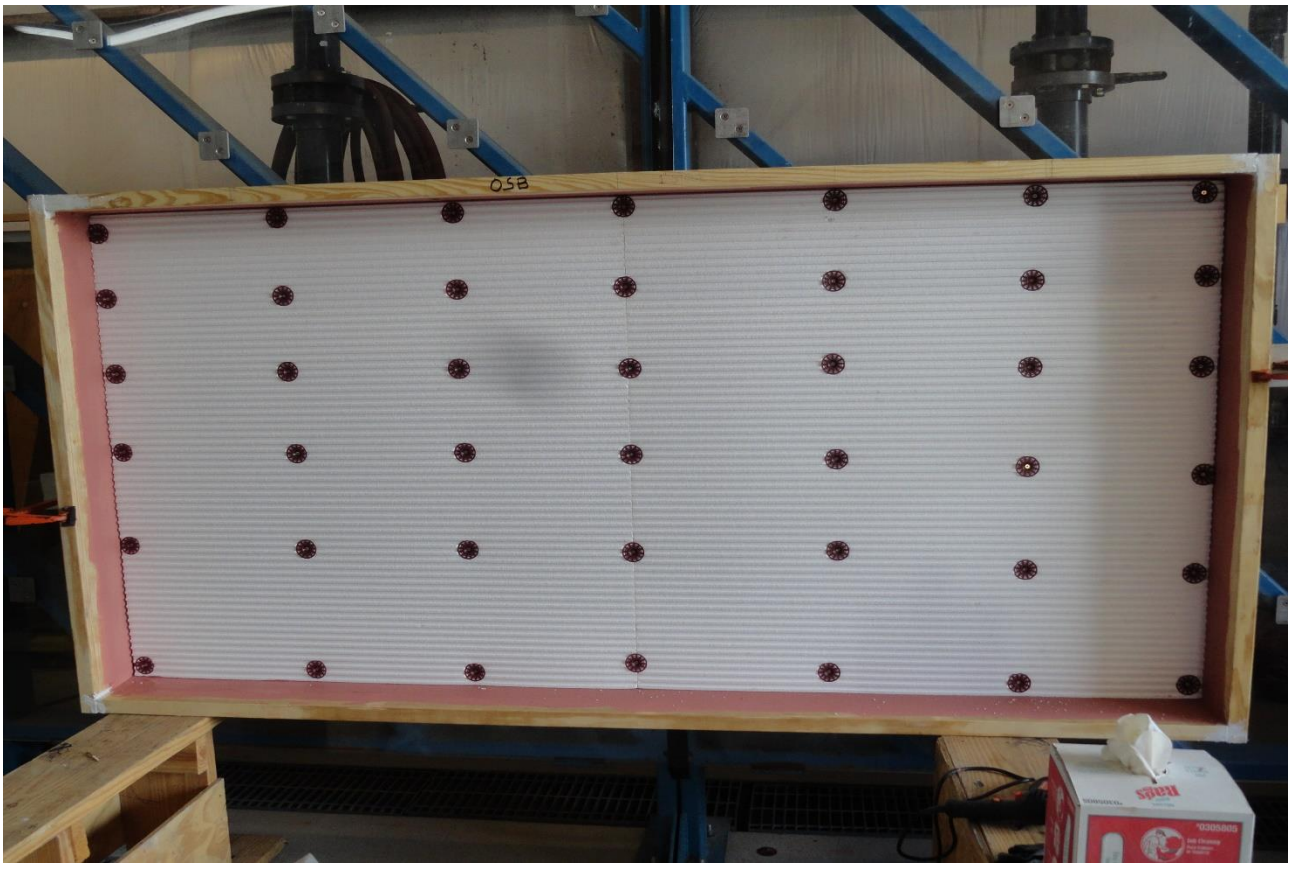


OLD MILL FASTENERS

Old Mill Brick - Sandy, UT 84070 ph: 888-264-6455 fx: 801-542-8075
www.oldmillfasteners.com

Photos

7/16” OSB SHEATHING WITH (2) COATS OF AIR & WATER BARRIER ROLLED ON



1” THICK OLD MILL PANEL+ EPS FOAM FASTENED TO OSB SHEATHING

STONE VENEER WITH OLD MILL BRICK & PANEL ADHESIVE ON BACK SIDE

FINAL STONE WALL ASSEMBLY