XL-Perm\textsuperscript{ULTRA} NP
Non-Permeable
Air, Vapor & Water Barrier System
Application Manual
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Pecora Air & Vapor Barrier System Product Offerings

Fluid-Applied, Non-Permeable Air, Vapor & Water Barrier Coating

**Pecora XL-Perm** is a primerless, single component, high performance fluid applied STPU (Silyl Terminated Polyurethane) that combines the best characteristics of silicone and urethane properties for exterior wall assemblies where it functions as an air, vapor and water barrier. It is resistant to ultra violet rays, ozone and airborne contaminants. Applied in a single coat via airless sprayer or roller, this durable elastomeric weatherproofing membrane provides two to three times the coverage of other fluid applied products. Pecora XL-Perm has excellent elasticity and crack bridging capabilities contributing to a seamless durable airtight building envelope.

Available packaging: 5-gal (18.9L) pails, 50-gal (189L) drums
Color: Black (custom colors available)

Liquid Flashing & Joint Filler

**Pecora XL-Flash** is a unique one part, fast curing, non-sag elastomeric STPU (silyl-terminated polyurethane) gun grade, trowelable liquid flashing & joint sealant with many of the strengths of a two-component sealant but with the user-friendly ease-of-application properties of a one-component sealant. Pecora’s XL-Flash is specially formulated for the Air and Vapor Barrier Industry. It is resistant to ultra violet rays, ozone and airborne contaminants. It is designed to achieve high tensile and tear strengths, abrasion resistance and an average ultimate hardness of at least 55, yet still withstand 25% total joint movement. XL-Flash utilizes low VOC formulation that achieves primerless adhesion to most substrates.

Available packaging: 20 oz. (592mL) sausages
        (Custom order – 200 gal min. batch size)
Color: Tru-White
Pecora Air & Vapor Barrier System Product Offerings (cont.)

Silicone Transition Membrane

**Pecora XL-SPAN** is a preformed silicone transition membrane used in combination with Pecora AVB Silicone Sealant/Adhesive to form an air and water tight barrier at transitions between building façade components such as fenestration products, roof to wall, internal expansion joints, and other openings in AVB and WRB systems. For use in cavity wall and curtain wall transition seals.

Available packaging: 9” x 50’, 6” x 50’, 4” x 50’ rolls

Sealant/Adhesive

**Pecora AVB** is a single component 100% silicone sealant designed to adhere to low surface energy materials utilized in traditional and novel air and vapor barriers. Pecora AVB Silicone is designed as an integral component for transition seals between dissimilar materials in air and vapor barrier systems.

Pecora AVB is also utilized as the adhesive for the Pecora XL-SPAN Pre-formed Silicone Transition Membrane.

Available packaging: 20 oz. (592mL) sausage
Color: Black

**Pecora 890NST** is a one-part, neutral-curing, ultra-low modulus silicone sealant that will not stain natural stone such as marble and granite and that reacts with atmospheric moisture to form a durable, flexible building sealant. Pecora 890NST performs exceptionally well under dynamic conditions due to its ultra-low modulus, high extension/compression, recovery properties and strong adhesion to most building materials and accommodates long-term movement of +100-50% in properly designed joints.

Available packaging: 10.1fl oz (300mL) plastic cartridges, 20 oz. (592mL) sausage, 2-gal (7.57L) pails
Color: 13 standard colors available
Application Guidelines
Pecora XL-Perm^{ULTRA} NP
Non-Permeable
Air, Vapor & Water Barrier System
The information presented in this manual is an installation guideline only and will assist in the application of the Pecora XL-PermULTRA NP Air, Vapor & Water Barrier Fluid-Applied System. This guide does not cover all possible applications. Alternative application methods may be approved based on project specific jobsite conditions. Please consult the Pecora Technical Service Department for assistance prior to deviating from the guidelines published here.

Preconstruction

- Preconstruction meetings should be held with the appropriate design engineers, consultants, contractors, and/or building owners to ensure a continuous air & vapor barrier will be achieved across the building envelope.
- A project specific mock up and subsequent testing is highly recommended in order to determine whether the appropriate air & vapor barrier system has been selected.
- Ensure that all adjacent building components e.g. windows, doors, penetrations, etc. are installed in accordance with the manufacturer’s application instructions.
- Coordinate the installation of all flashings and sealants in order to prevent water infiltration and subsequent damages.

Substrate Requirements

- All substrates must be installed in accordance with manufacturer’s specifications. Approved substrates include, but not limited to, exterior grade sheathing, concrete block, OSB and plywood.
- Exterior sheathing fasteners must be installed flush with the exterior face of the sheathing.
- Masonry joints should be struck flush with the CMU.
- All substrates must be clean, dry and frost-free and free of contaminants such as dirt, dust residue, oil and grease.
- Substrates should be flat and free of any fins or irregularities.
- Pecora XL-PermULTRA NP is not approved for use below grade or areas subjected to intermittent or continuous water immersion.
- Any substrates that do not conform to the afore-mentioned requirements should be addressed prior to the installation of the Pecora XL-PermULTRA NP air, vapor & water barrier system.

Jobsite Conditions

- When applying Pecora XL-PermULTRA NP at ambient temperatures below 20°F (-7°C) or above 95°F (35°C) consult Pecora Technical Services.
- Products should be stored at temperatures above 50°F. Do not apply Pecora XL-PermULTRA NP in rain or when rain is eminent.
- Pecora XL-PermULTRA NP may be exposed to twenty four (24) months of continuous UV. Contact Pecora Technical Services if left exposed longer than twenty four (24) months.
General Product Application - XL-Perm Air, Vapor & Water Resistive Barrier System

- Ensure all surrounding areas are protected from damage during installation of the Pecora XL-Perm\textsuperscript{ULTRA} NP coating.
- Complete all change of plane, seams, static joints and flashing with Pecora XL-Flash Liquid Flashing and Joint Filler before applying Pecora XL-Perm\textsuperscript{ULTRA} NP. When used as a flashing, apply XL-Flash at 20 - 40 wet mils.
  - Dynamic (moving) joints must be sealed with the Pecora 890NST Silicone Sealant or approved equivalent.
- Allow the XL-Flash Liquid Flashing and Joint Filler to fully cure prior to applying the Pecora XL-Perm\textsuperscript{ULTRA} NP coating directly over the flashing. Flashing cure times will vary based on ambient temperatures. Thirty (30) wet mils will cure in ~6 hours at 75°F/50%rh.
- For transitions between building components with significant movement use Pecora XL-SPAN transition system.
- Pecora XL-Perm\textsuperscript{ULTRA} NP may be applied with a roller or approved airless sprayer. Coverage rate: 80 - 90 sq ft/gallon
  - Spray apply to exterior wall in a single coat at a minimum 17 - 20 wet mils (14 - 17 DFT) through approved airless spray equipment. Size 517 to 623 spray tip is recommended.
  - Roller apply to exterior wall assembly using vertical strokes. Recommended nap size: Rough surfaces such as CMU = \( \frac{3}{8}'' \) to \( \frac{5}{8}'' \) depending on porosity. Smooth surfaces such as exterior sheathing = \( \frac{3}{8}'' \) to \( \frac{3}{4}'' \).
  - When roller applying, penetrations and changes in plane will require a detail coat of XL-Perm\textsuperscript{ULTRA} NP at 17 - 20 wet mils (14 - 17 DFT) prior to full scale roller application.
  - Apply to recommended thickness of 17 - 20 wet mils (14 - 17 DFT).
- Inspect for pinholes, voids or gaps in the membrane and repair as needed.
- Allow product to cure, these times will vary depending on temperature, substrate and humidity. At 70°F and 50% humidity Pecora XL-Perm\textsuperscript{ULTRA} NP should be dry to touch in one (1) hour.
- Pecora XL-Perm\textsuperscript{ULTRA} NP Air & Vapor Barrier System has a service temperature range of -20°F to 180°F.
Spray Application Guidelines / Ambient Temperature Conditions

SPRAY EQUIPMENT REQUIREMENTS (>60°F Ambient Temperature)

- Electric-Powered or Gas Hydraulic Airless Sprayer
  - Suggested models include, but not limited to, the following:
    - Graco DutyMax GH 675DI High Pressure Gas Hydraulic Airless Sprayer
  - Minimum operating pressure: 5000 PSI
  - Minimum flow rate (delivery): 1.5 GPM
  - Hose Diameter: 3/8” or ½” (1/2” hose diameter is recommended with >25 ft hose lengths)
  - Recommended airless spray tip: RAC (Reverse-A-Clean) / XHD (Xtreme Heavy Duty) type
  - Tip size: 523 (10” fan / 0.023” orifice)
    - Tip sizing can vary and will be dependent on the product temperature/viscosity, desired fan width, and flow rate of pump. Graco Xtreme Heavy Duty (XHD) or comparable style tips are required. Tip sizes can range from: 519 to 623
    - Wider fan patterns and larger orifice sizes will require higher flow rates.
  - Fluid suction hose - DRUM ONLY
    - Hose will be attached to inlet suction tube in order to siphon coating from 55 gallon drum containers.

SPRAY EQUIPMENT REQUIREMENTS – LOW TEMPERATURES (<60°F Ambient Temperature)

- Electric-Powered or Gas Hydraulic Airless Sprayer
  - Suggested models include, but not limited to, the following:
    - Graco DutyMax GH 675DI High Pressure Gas Hydraulic Airless Sprayer
  - Minimum operating pressure: 5000 PSI
  - Material Conditioning: minimum 65°F
    - Material should be stored in a conditioned space prior to use, if feasible. Drum or plastic pail heater bands may be used during the spray application in order to maintain minimum coating temperature (65°F).
  - Minimum flow rate (delivery): 1.5 GPM
  - Hose Diameter: 3/8” or ½” (1/2” hose diameter is recommended with >25 ft hose lengths)
  - Recommended airless spray tip: RAC (Reverse-A-Clean) / XHD (Xtreme Heavy Duty) type
  - Tip size: 523 (10” fan / 0.023” orifice)
    - Tip sizing can vary and will be dependent on the product temperature/viscosity, desired fan width, and flow rate of pump. Graco Xtreme Heavy Duty (XHD) or comparable style tips are required. Tip sizes can range from: 519 to 623
    - Wider fan patterns and larger orifice sizes will require higher flow rates.
  - Fluid suction hose - DRUM ONLY
    - Hose will be attached to inlet suction tube in order to siphon coating from 55 gallon drum containers.

GENERAL SPRAYING GUIDELINES

- Spray gun should be held approximately 12 inches from the substrate surface.
- Spray gun should be held straight at the surface. Fanning of gun will cause an uneven mil thickness.
- Move the spray gun at a smooth, steady rate. Increase rate if coating is too thick, decrease rate if too thin.
- Spray at lowest pressure required to atomize coating. Slowly increase pressure if fingers/tails are evident in spray pattern.
- 30 – 50% overlap with each pass to ensure total substrate coverage.
- Periodically measure coating thickness with a mil gauge to ensure proper coverage is being achieved.

REMOVE SCREENS PRIOR TO SPRAYING. Screens are typically located in spray gun handle and pump manifold.

In order to prevent the coating from skinning in the pail during application, xylene may be poured over the material resulting in a protective layer of solvent. Eight fluid ounces (half pint) will typically suffice. Solvent should be added after the inlet suction tube in placed into the pail.

CLEANING & PURGING

Pecora recommends Xylene solvent for purging all pumps and components as well as cleaning of any tools. Pumps and components should be purged prior to and after spraying the coating. Purging is required at the end of the each work day. Do not allow the coating to dwell in the pump and components for extended periods of time. During any breaks in the work day, it is good practice to protect the spray guns and open pails/drums from ambient moisture by wrapping the spray gun and temporarily sealing any open containers.
Low Temperature Application Guidelines

Traditional water based fluid applied coatings cannot be applied at temperatures below freezing due to inherent formulation limitations. Solvent based, high solids, fluid applied coatings are currently available and may be installed at temperatures below freezing.

The Pecora XL-PermULTRA NP air, vapor and water resistive, fluid applied coating utilizes a solvent based, hybrid (STPU) formulation which allows the coating to be successfully applied at temperatures below freezing (32°F / 0°C). When installing the XL-PermULTRA NP at low temperatures, the following guidelines are to be followed:

- Areas to receive coating must be clean, dry and free of frost or any contaminating substances.
- Pecora XL-PermULTRA NP may be roller applied at ambient temperatures down to 5°F (-18°C).

The following graph illustrates the change in product viscosity as temperature decreases.

- Pecora XL-PermULTRA NP spray applied at ambient temperatures below 60°F. The coating may be successfully spray applied at ambient temperatures below 60°F provided the proper airless sprayer equipment is utilized and the XL-Perm ULTRA NP coating is conditioned at a minimum 65°F. Refer to page 11 of this manual or Pecora Technical Bulletin #202 “XL-PermULTRA NP Application Guidelines” for details.
- Low temperatures & relative humidity will reduce the cure rate of moisture cure, fluid applied coatings. The Pecora XL-PermULTRA NP hybrid (STPU) formulation is less sensitive to low temperature / relative humidity than competitive chemistries and will continue to cure at these conditions. See table below for skin times and cure rates at low temperature / relative humidity:

<table>
<thead>
<tr>
<th>Cure Conditions</th>
<th>Skin Time (Elastomer Formation), Time</th>
<th>Full Cure, Time</th>
<th>Coating Thickness, wet mils</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°F / 50%RH</td>
<td>30 min</td>
<td>1 hr</td>
<td>17 - 20</td>
</tr>
<tr>
<td>10°F / 30%RH</td>
<td>24 hrs</td>
<td>36 - 48 hrs</td>
<td>17 - 20</td>
</tr>
</tbody>
</table>
Rain Screens

The Pecora XL-Perm^{ULTRA} NP air, vapor & water resistive barrier may be successfully installed in rain screen applications. The rain screen design is generally defined by the separation of cladding from a structural wall in an effort to manage moisture and energy transfer through a wall assembly. System components typically include metal cladding with open joints, a ventilation/drainage cavity, framing system, insulation (rock wool or polystyrene) and an air barrier. As a result of the rain screen design and subsequent open joints, up to 40% of the underlying components including the air barrier are exposed to UV, wind driven rain, etc.

In order to achieve a successful and durable air barrier application the coating must be resistant to UV and the elements. The Pecora XL-Perm^{ULTRA} NP coating’s unique STPU chemistry exhibits excellent UV resistance, weather-ability, washout resistance and color retention and is approved for use in rain screen applications.

The Pecora XL-Perm^{ULTRA} NP is sold in a black formulation which is typically the color selected for use rain screen applications. Custom colors are also available (minimum batch quantities will apply). Pecora’s standard material warranty will apply to all rain screen applications.

Application Guidelines:

- All surface preparation requirements as noted in the afore-mentioned Product Application Guidelines must be met including sealing and flashing all seams, gaps and rough window openings with the Pecora XL-Flash Liquid Flashing and Joint Filler.
- When utilized in rain screen applications, the Pecora XL-Perm^{ULTRA} NP is applied at a minimum 30 wet mils in a single coat via an airless sprayer or roller.
Installation Specific Guidelines
Pecora XL-Perm\textsuperscript{ULTRA} NP
Non-Permeable
Air, Vapor & Water Resistive
Barrier System
1. Fill all seams and static joints with the XL-Flash Liquid Flashing and Joint Filler. Joints greater than ¼” will require a sealant backing. Sealant should be applied flush with exterior face of wall.
2. Extrude and tool XL-Flash over the sheathing joint in a minimum 2” wide band centered over the joint.
   a. XL-Flash thickness should be applied at 20 - 40 wet mils.
3. Apply the Pecora XL-Perm^{ULTRA} NP coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT).
   a. Exposed sheathing fasteners will be sealed during the XL-Perm Perm^{ULTRA} NP Air & Vapor Barrier coating application. Properly installed sheathing fasteners will not require detailing prior to coating application.
   b. Any missed or improperly installed sheathing fasteners should be sealed with a dollop of the XL Flash Liquid Flashing & Joint Filler either before or after the XL-Perm Perm^{ULTRA} NP Air & Vapor Barrier coating application.
Inside / Outside Corners
Sheathing
DWG# IOC-001

1. Fill all seams and static joints with the XL-Flash Liquid Flashing and Joint Filler. Joints greater than ¼” will require a sealant backing. Sealant should be applied flush with exterior face of wall.
2. Apply a minimum ½” fillet bead of Pecora XL-Flash to all inside corners.
3. Apply 20 - 40 wet mils of Pecora XL-Flash and extend a minimum 2” over the inside/outside corner areas. Liquid flashing must be applied to both sides of the corner.
4. Apply the Pecora XL-PermULTRA NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT).
Inside / Outside Corners
Masonry
DWG# IOC-002

1. Fill all seams and static joints with the XL-Flash Liquid Flashing and Joint Filler. Joints greater than ¼” will require a sealant backing. Sealant should be applied flush with exterior face of wall.
   a. Large voids should be filled flush with mortar and allowed to cure.
2. Apply a minimum ½” fillet bead of Pecora XL-Flash to all inside corners.
3. Apply 20 - 40 wet mils of Pecora XL-Flash and extend a minimum 2” over the inside/outside corner areas. Liquid flashing must be applied to both sides of the corner.
4. Apply the Pecora XL-Perm<sup>ULTRA</sup> NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT).
Sheathing Penetrations
Mechanical & Pipe
DWG# PEN-001

Ensure all penetrations are firmly secured prior to installation of air & vapor barrier system.

1. Fill all seams and static joints with the XL-Flash Liquid Flashing and Joint Filler. Joints greater than ¼” will require a sealant backing. Sealant should be applied flush with exterior face of wall.
2. Apply a minimum ½” bead of XL-Flash around penetration and onto adjacent sheathing.
   a. For larger gaps, apply spray foam around penetrations and shave excess foam flush with sheathing prior to sealing with Pecora XL-Flash. See DWG# PEN-002.
3. Apply the Pecora XL-PermULTRA NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT).
   a. Extend coating a minimum 2” onto penetration.
Sheathing Penetrations
Mechanical & Pipe
DWG# PEN-002

LINE OF AIR, VAPOR, & WATER CONTROL LAYERS

AIR BARRIER - PECORA XL-Perm (ULTRA) NP APPLY TO SHEATHING AT 17-20 WET MILS (14-17 MILS DFT)

MIN 2"

MIN 1/2" CONTINUOUS FILLET BEAD OF PECORA XL-FLASH LIQUID FLASHING & JOINT FILLER (FULL PERIMETER)

FILL VOIDS WIDER THAN 1/2" WITH SPRAY FOAM INSULATION - CUT FLUSH WITH FACE OF SHEATHING
Masonry Penetrations
Mechanical & Pipe
DWG# PEN-003

Ensure all penetrations are firmly secured prior to installation of air & vapor barrier system.

1. Fill all seams and static joints with the XL-Flash Liquid Flashing and Joint Filler. Joints greater than ¼” will require a sealant backing. Sealant should be applied flush with exterior face of wall.
   a. Large voids should be filled flush with mortar and allowed to cure.
2. Apply a minimum ½” bead of XL-Flash around penetration and onto adjacent masonry substrate.
3. Apply the Pecora XL-Perm^{ULTRA} NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT).
Expansion Joints
Liquid Joint Sealant

1. Apply Pecora 890NST Silicone Sealant or approved equal and appropriate sealant backing in all expansion joints greater than ¼” wide. Sealant should be applied flush with exterior face of wall.
2. Apply 20 - 40 wet mils of Pecora XL Flash and extend a minimum 2” over each side of the joint.
   a. XL Flash Liquid Flashing may be applied immediately after installation of silicone based joint sealant.
3. Apply the Pecora XL-Perm^ULTRA^ NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT).

EXPANSION JOINT IN SHEATHING
DWG# EJT-001
Expansion Joints
Liquid Joint Sealant

EXPANSION JOINT IN CMU WALL
DWG# EJT-002
Expansion Joints
Pecora XL-SPAN Preformed Silicone Transition Membrane

The following instructions will apply to expansion joints less than 1” wide. Consult Pecora Technical Services for joints greater than 1” wide.

1. Apply the Pecora XL-PermULTRA NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT).
2. Apply ½” bead of Pecora AVB Silicone Sealant/Adhesive to both sides of expansion joint.
3. Cover the joint by installing a 4” wide strip of Pecora XL-SPAN Pre-formed Silicone Transition Membrane over freshly applied Pecora AVB Silicone Sealant/Adhesive.
   a. For vertical joints, always start at the bottom of assembly with all overlapped edges from the top towards the bottom to create a “shingle effect”.
4. Press the XL-SPAN onto the substrate using a roller. Apply even pressure to Pecora XL-SPAN to ensure intimate contact with Pecora AVB Silicone sealant/adhesive and building substrate.
5. Once joint is sealed, inspect sealant application for continuity by observation through translucent Pecora XL-SPAN membrane.
Expansion Joints
Pecora XL-SPAN Preformed Silicone Transition Membrane

EXPANSION JOINT IN SHEATHING
DWG# EJT-003

[Diagram of expansion joint in sheathing]
Expansion Joints
Pecora XL-SPAN Preformed Silicone Transition Membrane

EXPANSION JOINT IN CMU WALL
DWG# EJT-004
Rough Window Openings
Head, Sill and Jamb

1. Fill all gaps and seams with the XL-Flash Liquid Flashing and Joint Filler. Joints greater than ¼” will require a sealant backing. Sealant should be applied flush with surface of substrate.
2. Apply ½” bead of Pecora XL-Flash Liquid Flashing and Joint Filler in a “Z” pattern to exterior wall surface adjacent to the rough opening.
3. Spread the flashing using a flat trowel to create a monolithic flashing membrane. Extend flashing a minimum 2” beyond the rough opening on exterior side of wall surface. If voids are present, apply additional flashing as necessary.
4. Apply ½” bead of Pecora XL-Flash in a “Z” pattern to exposed framing located inside the rough opening.
5. Spread the Pecora XL-Flash using a flat trowel to create a monolithic flashing membrane. Completely cover the inside of rough opening. Be sure to extend the flashing out and over flashing previously applied to exterior wall surfaces to create a monolithic membrane. If voids are present, apply additional Pecora XL-Flash as necessary.
   a. Pecora XL-Flash is to be applied at 20 - 40 wet mils.
6. Apply the Pecora XL-Perm^{ULTRA} NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT).
Rough Window Openings
Head Detail
DWG# RWO-001
Rough Window Openings
Jamb Detail
DWG# RWO-002
Foundations
Pecora XL-SPAN Pre-formed Silicone Transition Membrane

1. Fill all seams and static joints greater than ¼” with the XL-Flash Liquid Flashing and Joint Filler. Joints greater than ¼” will require a sealant backing. Sealant should be applied flush with exterior face of wall.

2. Apply XL-PermULTRA NP Air & Vapor Barrier Coating to building façade components per Pecora’s installation guidelines.
   a. Allow product to cure, these times will vary depending on temperature, substrate and humidity. At 70°F and 50% humidity Pecora XL-PermULTRA NP should be dry to touch in one (1) hour.

3. Apply ½” bead of Pecora AVB Silicone Sealant/Adhesive to both sides of joint.

4. Cover the joint by installing a minimum 4” wide strip of Pecora XL-SPAN Pre-formed Silicone Transition Membrane over freshly applied Pecora AVB Silicone Sealant/Adhesive.

5. Press the XL-SPAN onto the substrate using a roller. Apply even pressure to Pecora XL-SPAN to ensure intimate contact with Pecora AVB Silicone sealant/adhesive and building substrate.

6. Once transition is sealed, inspect sealant application for continuity by observation through translucent Pecora XL-SPAN membrane.
Foundations
Pecora XL-SPAN Pre-formed Silicone Transition Membrane
DWG# FND-001
Foundations
Self-Adhered Membrane

1. Fill all seams and static joints greater than ¼” with the XL-Flash Liquid Flashing and Joint Filler. Joints greater than ¼” will require a sealant backing. Sealant should be applied flush with exterior face of wall.

2. Cover the joint by installing a minimum 4” wide strip of approved self-adhered membrane over exterior sheathing and existing below grade waterproofing membrane.
   a. Follow self-adhered membrane manufacturer’s installation instructions. A contact adhesive will typically be required for use prior to the membrane installation.

3. Seal self-adhered membrane terminations with the Pecora AVB Silicone Sealant or XL Flash Liquid Flashing and Joint Filler.

4. Apply the Pecora XL-PermULTRA NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT). Overlap XL-PermULTRA NP Air & Vapor Barrier Coating a minimum 2” over the installed self-adhered membrane.
   a. Allow product to cure, these times will vary depending on temperature, substrate and humidity. At 70°F and 50% humidity Pecora XL-PermULTRA NP should be dry to touch in one (1) hour.
Foundations
Self-Adhered Membrane
DWG# FND-002
Parapets
Pecora XL-Flash Liquid Flashing

1. Fill all seams and static joints greater than ¼” with the XL-Flash Liquid Flashing and Joint Filler. Joints greater than ¼” will require a sealant backing. Sealant should be applied flush with exterior face of wall.
2. Apply ½” bead of Pecora XL-Flash in a “Z” pattern to top of parapet.
3. Spread the Pecora XL-Flash using a flat trowel to create a monolithic flashing membrane. Completely cover top of parapet. Be sure to extend the flashing 2” out and over both the interior and exterior face of parapet.
   a. Flashing will be applied over installed roofing membrane and exterior wall substrate.
   b. Pecora XL-Flash is to be applied at 20 - 40 wet mils. If voids are present, apply additional Pecora XL-Flash as necessary.
4. Apply the Pecora XL-PermULTRA NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT). Terminate coating at top of wall.
   a. Allow product to cure, these times will vary depending on temperature, substrate and humidity. At 70°F and 50% humidity Pecora XL-PermULTRA NP should be dry to touch in one (1) hour.
Parapets
Self-Adhered Membrane

1. Fill all seams and static joints greater than ¼” with the XL-Flash Liquid Flashing and Joint Filler. Joints greater than ¼” will require a sealant backing. Sealant should be applied flush with exterior face of wall.

2. Cover the top of wall by installing an approved self-adhered membrane over the coated wall substrate and roofing membrane.
   a. Self-Adhered membrane sizing requirements will vary depending on the wall dimensions. Self-adhered membrane should extend a minimum 2” onto face of wall substrate.
   b. Follow self-adhered membrane manufacturer’s installation instructions. A contact adhesive will typically be required for use prior to the membrane installation.

3. Seal self-adhered membrane terminations with the Pecora AVB Silicone Sealant or XL Flash Liquid Flashing and Joint Filler.

4. Apply the Pecora XL-Perm<sup>ULTRA</sup> NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT). Overlap XL-Perm<sup>ULTRA</sup> NP Air & Vapor Barrier coating a minimum 2” over installed self-adhered membrane.
   a. Allow product to cure, these times will vary depending on temperature, substrate and humidity. At 70°F and 50% humidity Pecora XL-Perm<sup>ULTRA</sup> NP should be dry to touch in one (1) hour.
Parapets
Self-Adhered Membrane
DWG# PPT-002
Brick Ties  
Sheathing & Masonry

1. Apply the Pecora XL-Perm<sup>ULTRA</sup> NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT). Allow product to cure and dry prior to brick tie installation.
   a. Cure times will vary depending on temperature, substrate and humidity. At 70°F and 50% humidity Pecora XL-Perm<sup>ULTRA</sup> NP should be dry to touch in one (1) hour.

2. Prior to installing brick tie, apply ¾” dollop of XL-Flash Liquid Flashing & Joint Filler over area to receive brick tie.

3. Brick ties shall be installed per the manufacturer’s instructions.
   a. Any holes resulting from improperly installed & removed fasteners must be filled with Pecora XL-Flash Liquid Flashing & Joint Filler.
   b. Voids around brick ties in CMU must be filled with Pecora XL-Flash Liquid Flashing & Joint Filler.

BRICK TIE IN SHEATHING – DWG# BRT-001
Brick Ties
Sheathing & Masonry

BRICK TIE IN CMU – DWG# BRT-002
Static Transitions  
(Non-Moving)  
DWG# TRA-001

The following installation procedure if for Static (non-moving) transitions only. 
Refer to “Dynamic Transitions” section for installation guidelines over transitions with significant movement.

1. Fill gap between adjoining substrates with Pecora XL-Flash Liquid Flashing and Joint Filler.
   a. Joints $\frac{3}{4}”$ or greater will require the use of a sealant backing prior to installation of XL-Flash.
2. Apply $\frac{1}{2}”$ beads of Pecora XL-Flash Liquid Flashing and Joint Filler to both adjoining surfaces.
3. Spread the flashing a minimum 2 inches across the newly sealed transition using a flat trowel to create a monolithic flashing membrane. If voids are present, apply additional flashing as necessary.
   a. Pecora XL-Flash is to be applied at 20 - 40 wet mils.
4. Apply the Pecora XL-PermULTRA NP Air & Vapor Barrier coating with a roller or airless sprayer in one coat at 17 - 20 wet mils (14 - 17 DFT).
Dynamic Transitions
(Moving)

Window to building façade, roof to wall and other transitions with dynamic movement will require the use of the Pecora XL-SPAN Pre-formed Silicone Transition Membrane.

1. Apply XL-Perm\textsuperscript{ULTRA} NP Air & Vapor Barrier Coating to building façade components per Pecora’s installation guidelines.
   a. Allow product to cure, these times will vary depending on temperature, substrate and humidity. At 70°F and 50% humidity Pecora XL-Perm\textsuperscript{ULTRA} NP should be dry to touch in one (1) hour.

2. Apply \(\frac{1}{2}\)” bead of Pecora AVB Silicone adhesive/sealant along substrate edges to form a continuous seal between Pecora XL-SPAN and building façade adjacent assemblies.
   a. Pecora AVB Silicone sealant/adhesive does not require priming on most common air vapor barrier components. Consult Pecora TB-166 and TB 189 for specific recommendations on surface preparation of pre-approved air barrier components.

3. Press the XL-SPAN onto the substrate using a roller. Apply even pressure to Pecora XL-SPAN to ensure intimate contact with Pecora AVB Silicone sealant/adhesive and building substrate.
   a. Utilize the “Shingle Effect”. Always start at the bottom of assembly with all overlapped edges from the top towards the bottom.
   b. Ensure a minimum 1” overlap of XL-SPAN onto substrates and a minimum bellows depth equivalent to 25% of the joint width.

4. Once transition is sealed, inspect sealant application for continuity by observation through translucent Pecora XL-SPAN membrane.
Dynamic Transitions
(Moving)
DWG# TRA-002

CONCRETE OR MASONRY EXTERIOR BACKUP WALL CONSTRUCTION

AIR BARRIER: XL-Perm (Ultra) NP
APPLY AT 17-20 WET MILS (14-17 MILS DFT)

SILICONE TRANSITION MEMBRANE; PECORA XL-SPAN
FORM BELLOWS OF DEPTH EQUAL TO MIN 25% OF JOINT WIDTH
ADHERE & SEAL FULL PERIMETER WITH PECORA AVB SILICONE
SEALANT

STRUCTURAL METAL STUD OR WOOD FRAMED & SHEATHED
EXTERIOR BACKUP WALL CONSTRUCTION
Flexible Flashing Terminations

1. Apply XL-Perm\textsuperscript{ULTRA} NP Air & Vapor Barrier Coating to building façade components per Pecora’s installation guidelines.
   a. Allow product to cure, these times will vary depending on temperature, substrate and humidity. At 70°F and 50% humidity Pecora XL-Perm\textsuperscript{ULTRA} NP should be dry to touch in one (1) hour.
2. Install flexible flashing membrane and primer, if required, over cured XL-Perm\textsuperscript{ULTRA} NP Air & Vapor Barrier Coating per manufacturer’s installation instructions.
3. Install termination bar and fasteners per manufacturer’s installation instructions requirements.
4. **Detail #1:** Apply bead of Pecora AVB Silicone adhesive/sealant along top edge of termination bar lapping the sealant a ¼” onto face of termination bar to form a continuous seal.
   **Detail #2:** Apply a minimum ¼” deep bead of Pecora AVB Silicone adhesive/sealant to fill channel created by termination bar flange to form a continuous seal. Tool sealant flush or convex in order to avoid creating a reservoir in the event of water/moisture infiltration.
   a. Pecora AVB Silicone sealant/adhesive does not require priming on most common air vapor barrier coatings & accessories. Consult Pecora TB-166 and TB 189 for specific recommendations on surface preparation of pre-approved air barrier components.
Flexible Flashing Termination – Option 1

NOTES:
1. REFER TO PECORA TECHNICAL BULLETIN #169 FOR PECORA AVB SILICONE SEALANT ADHESION TO FLEXIBLE FLASHING MATERIALS & AIR AND VAPOR BARRIER MEMBRANES BY OTHERS.

2. REFER TO PECORA TECHNICAL BULLETIN #166 FOR PECORA SEALANT ADHESION TO AIR AND VAPOR BARRIER MEMBRANES BY OTHERS.
Flexible Flashing Termination – Option 2
DWG# FFT-002

NOTES:
1. REFER TO PECORA TECHNICAL BULLETIN #189 FOR PECORA AVB SILICONE SEALANT ADHESION TO FLEXIBLE FLASHING MATERIALS & AIR AND VAPOR BARRIER MEMBRANES BY OTHERS.

2. REFER TO PECORA TECHNICAL BULLETIN #166 FOR PECORA SEALANT ADHESION TO AIR AND VAPOR BARRIER MEMBRANES BY OTHERS.
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Product Compatibility
Pecora XL-Perm\textsuperscript{ULTRA} NP
Air, Vapor & Water Resistive Barrier System
Approved Air & Vapor Barrier Accessory Products

**Joint Sealants/Fillers**
For use *under* XL-Perm\(^{ULTRA}\) NP coating:
- Static Joints
  - Pecora XL-Flash Liquid Flashing & Joint Filler
  - Pecora Dynatrol I-XL HYBRID
  - Others as approved by Pecora
- Dynamic Joints
  - Pecora NST Silicones (864NST, 890NST, 895NST, 890FTS)
  - Pecora Dynatrol I-XL HYBRID
  - Pecora AVB Silicone & Adhesive
  - Others as approved by Pecora

For use *over* XL-Perm\(^{ULTRA}\) NP coating:
- Pecora AVB (Air & Vapor Barrier) Silicone
- Pecora NST Silicones (864NST, 890NST, 895NST, 890FTS)
- Pecora XL-Flash Liquid Flashing & Joint Filler
- Pecora Dynatrol I-XL HYBRID
- Others as approved by Pecora

**Flashings**
Liquid-Applied (For use over/under XL-Perm\(^{ULTRA}\) NP coating)
- Pecora XL-Flash Liquid Flashing and Joint Filler
- Others as approved by Pecora

**Self-Adhered Membranes\(^1\)** (For use *UNDER* XL-Perm\(^{ULTRA}\) NP coating)
- Carlisle CCW-705
- Grace Perm-A-Barrier Wall Membrane
- Henry Blueskin SA
- Firestone En verge
- Others as approved by Pecora

\(^1\)A manufacturer recommended contact adhesive or Pecora P-225 primer may be required to achieve adequate membrane adhesion to installed XL-Perm\(^{ULTRA}\) NP coating. Contact Pecora Technical Service for specific recommendations.
Approved Air & Vapor Barrier Accessory Products (cont.)

Self-Adhered Membranes (For use OVER XL-PermULTRA NP coating)

- Product compatibility testing was performed in accordance with AAMA 713-08 Test Method to Determine Chemical Compatibility of Sealants and Self-Adhered Flexible Flashings.
- As a result of the testing, it has been determined that the XL-PermULTRA NP and XL-Flash products require a minimum product cure time prior to the application of the self-adhered membranes. Minimum cure times vary based on the membrane adhesive type.

The following guidelines should be followed when applying self-adhered membranes over XL-PermULTRA NP and XL-Flash:

**SELF-ADHERED MEMBRANE WITH BUTYL AND ACRYLIC BASED ADHESIVES**
- Self-adhered membranes utilizing a butyl or acrylic based adhesive are acceptable for use over the XL-PermULTRA NP and XL-Flash following the standard product cure time of 48hrs @ 75°F/50%rh.

**SELF-ADHERED MEMBRANE WITH ASPHALTIC BASED ADHESIVES**
- Self-adhered membranes utilizing an asphaltic adhesive are acceptable for use over the XL-PermULTRA NP and XL-Flash following a minimum product cure time. Membrane specific cure time requirements are noted in the table below:

<table>
<thead>
<tr>
<th>Self-Adhered Membrane w/ Asphaltic Adhesive</th>
<th>Pecora STPU-Based Product</th>
<th>Required Cure Time, days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carlisle CCW-70S</td>
<td>XL-PermULTRA NP</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>XL-Flash</td>
<td>15</td>
</tr>
<tr>
<td>Grace PAB Wall Membrane</td>
<td>XL-PermULTRA NP</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>XL-Flash</td>
<td>15</td>
</tr>
<tr>
<td>Firestone En verge</td>
<td>XL-PermULTRA NP</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>XL-Flash</td>
<td>25</td>
</tr>
<tr>
<td>Tremco ExoAir 110</td>
<td>XL-PermULTRA NP</td>
<td>15</td>
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<tr>
<td></td>
<td>XL-Flash</td>
<td>15</td>
</tr>
<tr>
<td>Dow Weathermate</td>
<td>XL-PermULTRA NP</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>XL-Flash</td>
<td>15</td>
</tr>
<tr>
<td>Henry BlueSkin SA</td>
<td>XL-PermULTRA NP</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>XL-Flash</td>
<td>25</td>
</tr>
</tbody>
</table>

Consult Pecora Technical Services for application and cure time requirements for self-adhered membranes not listed.
Approved Building Components

Pecora XL-Perm^{ULTRA} NP Air & Vapor Barrier Coating may be applied over the following:

- Concrete Masonry Unit (CMU)
- Precast Concrete
- “Green” and Damp Concrete
- Exterior Gypsum Sheathing
- OSB
- Plywood
- Wood
- Metal (painted, anodized, etc.)
- Others as approved by Pecora\(^2\)

Pecora XL-Flash Liquid Flashing & Joint Filler\(^3\) may be applied over the following:

- Concrete Masonry Unit (CMU)
- Precast Concrete
- “Green” and Damp Concrete
- Exterior Gypsum Sheathing
- OSB
- Plywood
- Wood
- Metal
- Others as approved by Pecora\(^2\)

NOTES: Pecora XL-Perm^{ULTRA} NP and XL-Flash STPU based products should not be applied in areas adjacent to uncured polyurethane based products.

XL-Perm^{ULTRA} NP may be applied immediately after installation of XL-Flash Liquid Flashing and Joint Filler and/or silicone based joint sealant such as the Pecora 890NST Silicone Joint Sealant.

\(^2\) Pecora routinely performs adhesion and compatibility testing in order to determine suitability of underlying substrates and building components. Contact Pecora Technical Service with any questions regarding unlisted substrates.

\(^3\) Sealant primer may be required when using the Pecora XL-Flash as a joint filler. Priming is not generally required on the afore-mentioned substrates. Consult Pecora Technical Services for priming requirements.
Approved Building Components (cont.)

Pecora **AVB Silicone Sealant & Adhesive** may be applied over the following:

<table>
<thead>
<tr>
<th>Flashings &amp; Self-Adhered Air &amp; Vapor Barriers</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M 3015 Air &amp; Vapor Barrier</td>
</tr>
<tr>
<td>BASF Enershield-TWF (Thru Wall Flashing)</td>
</tr>
<tr>
<td>Carlisle CCW 705 Self-Adhering Vapor Barrier</td>
</tr>
<tr>
<td>Carlisle CCW-711 Membrane &amp; Flashing (70 &amp; 90 mil)</td>
</tr>
<tr>
<td>Carlisle CCW MiraDRI 860/861</td>
</tr>
<tr>
<td>CETCO Envirosheat</td>
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<tr>
<td>CETCO GF-40</td>
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<tr>
<td>Copper Sealtite 2000</td>
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<tr>
<td>Dow Weathermate Straight Flashing</td>
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<tr>
<td>DuPont Flashing System</td>
</tr>
<tr>
<td>DuPont Tyvek FlexWrap</td>
</tr>
<tr>
<td>DuPont StraightFlash</td>
</tr>
<tr>
<td>Fiberweb Aquaflash 500 Waterproofing Membrane</td>
</tr>
<tr>
<td>First-Wrap Moisture Barrier</td>
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<tr>
<td>Fortifiber FortiFlash Flashing Membrane</td>
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<tr>
<td>Grace Bituthene Low Temperature Waterproofing Membrane</td>
</tr>
<tr>
<td>Grace Bituthene 3000 Waterproofing Membrane</td>
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<tr>
<td>Grace Bituthene 4000 Waterproofing Membrane</td>
</tr>
<tr>
<td>Grace Ice &amp; Water Shield HT Membrane</td>
</tr>
<tr>
<td>Grace Perm-A-Barrier Wall Membrane</td>
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<tr>
<td>Grace Perm-A-Barrier Detail Membrane</td>
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<tr>
<td>Grace Perm-A-Barrier Wall Flashing</td>
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<tr>
<td>Grace Perm-A-Barrier Aluminum Flashing</td>
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<tr>
<td>Grace VPS (Vapor Permeable Sheet)</td>
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<tr>
<td>Grace Vycor V-40</td>
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<tr>
<td>Grace Vycor Plus &amp; Pro</td>
</tr>
<tr>
<td>Grace Ultra Self Adhered Roofing Underlayment</td>
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<tr>
<td>HardieWrap Flex Flash</td>
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<tr>
<td>H&amp;B Plain Copper Flashing</td>
</tr>
<tr>
<td>H&amp;B Copper-Flex Copper Fabric Flashing</td>
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<tr>
<td>H&amp;B Copper SA Thru Wall Flashing</td>
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<tr>
<td>H&amp;B Flex-Flash Flashing</td>
</tr>
<tr>
<td>H&amp;B Mighty Flash Stainless Steel Fabric Flashing</td>
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<tr>
<td>H&amp;B Plain Stainless Steel Flashing</td>
</tr>
<tr>
<td>H&amp;B TextraFlash Thru Wall Flashing</td>
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<tr>
<td>H&amp;B X-Seal Air &amp; Vapor Barrier</td>
</tr>
<tr>
<td>Henry Air-Bloc LF</td>
</tr>
<tr>
<td>Henry Blueskin SA, SA LT, SA HT</td>
</tr>
<tr>
<td>Henry Blueskin VP 100</td>
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<tr>
<td>Henry Blueskin VP 160</td>
</tr>
<tr>
<td>Henry Foilskin SA Weather Barrier Membrane</td>
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<tr>
<td>Henry HE200AM Metal Clad Weather Barrier</td>
</tr>
<tr>
<td>Henry Air-Bloc LF</td>
</tr>
<tr>
<td>Henry TWF (Thru Wall Flashing)</td>
</tr>
<tr>
<td>Hyload Surface Adhered Flashing Membrane (w/ DRIP)</td>
</tr>
</tbody>
</table>
Approved Building Components (cont.)

Pecora AVB Silicone Sealant & Adhesive may be applied over the following:

<table>
<thead>
<tr>
<th>Flashings &amp; Self-Adhered Air &amp; Vapor Barriers (cont.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyload Jamb Enclosure Flashing Membrane</td>
</tr>
<tr>
<td>Novaflash SA (by IPG)</td>
</tr>
<tr>
<td>Pecora XL-Flash Liquid Flashing &amp; Joint Filler</td>
</tr>
<tr>
<td>Polyguard 400 Thru-Wall Flashing</td>
</tr>
<tr>
<td>Polyguard 650 Waterproofing Membrane</td>
</tr>
<tr>
<td>Protecito Seal 45 Foil Faced Exposed Membrane</td>
</tr>
<tr>
<td>Protecito Wrap BT25XL</td>
</tr>
<tr>
<td>Protecito Wrap 100/40 Thru Wall Flashing</td>
</tr>
<tr>
<td>Protecito Wrap Super Stick Building Flashing</td>
</tr>
<tr>
<td>Soprema Sopraseal Stick VP</td>
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<tr>
<td>Soprema Sopraseal Stick 1100T</td>
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<tr>
<td>Soprema Soprasolin HD</td>
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<td>Tremco ExoAir 110/110LT</td>
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<td>Tremco ExoAir 220 Fluid Applied Membrane</td>
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<td>Tremco ExoAir TWF (Thru Wall Flashing)</td>
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<tr>
<td>TYPAR Flashing RA</td>
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<tr>
<td>VaproShield VaproLiqui-Flash Liquid Flashing</td>
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<tr>
<td>VaproShield RevealShield SA Membrane</td>
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<td>VaproShield WrapShield SA Membrane</td>
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<tr>
<td>WR Meadows AirShield Self-Adhering Air Barrier</td>
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<tr>
<td>WR Meadows AirShield TWF</td>
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<tr>
<td>WR Meadows Mel-Rol Waterproofing Air Barrier</td>
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<tr>
<td>XtraFlash Plus Flashing</td>
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<tr>
<td>Zip System Flashing Tape</td>
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<table>
<thead>
<tr>
<th>Liquid Applied Air &amp; Vapor Barriers</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASF Acrostop R Vapor Permeable Membrane</td>
</tr>
<tr>
<td>BASF Enershield-HP Spray</td>
</tr>
<tr>
<td>BASF Senershield-R</td>
</tr>
<tr>
<td>BASF Sonosheild HLM 5000</td>
</tr>
<tr>
<td>Carlisle Barriseal</td>
</tr>
<tr>
<td>Carlisle Barritech NP</td>
</tr>
<tr>
<td>Carlisle Barritech VP</td>
</tr>
<tr>
<td>Dow DefendAir 200 Air &amp; Weather Barrier</td>
</tr>
<tr>
<td>DuPont Tyvek Fluid Applied Air Barrier</td>
</tr>
<tr>
<td>Grace Perm-A-Barrier Liquid</td>
</tr>
<tr>
<td>Grace Perm-A-Barrier VP</td>
</tr>
<tr>
<td>Henry Air-Bloc 07 Vapor Permeable Air Barrier Membrane</td>
</tr>
<tr>
<td>Henry Air-Bloc 31MR Air &amp; Vapor Barrier Membrane</td>
</tr>
<tr>
<td>Henry Air-Bloc 32MR Air &amp; Vapor Barrier Membrane</td>
</tr>
<tr>
<td>Henry Air Bloc 33MR UV Resistant Air &amp; Weather Barrier</td>
</tr>
<tr>
<td>Parex WeatherSeal Spray &amp; Roll-On Membrane</td>
</tr>
<tr>
<td>Pecora XL-Perm Ultra VP Air &amp; Vapor Barrier Membrane</td>
</tr>
<tr>
<td>Prosoco R-Guard Cat 5 Air &amp; Water Resistive Barrier</td>
</tr>
<tr>
<td>Prosoco R-Guard Fast Flash (PM7000)</td>
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<tr>
<td>Prosoco R-Guard MVP Air &amp; Water Resistive Barrier</td>
</tr>
<tr>
<td>Prosoco R-Guard VB Air &amp; Water Vapor Barrier</td>
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<tr>
<td>Rub-R-Wall Airtight Air &amp; Vapor Barrier Membrane</td>
</tr>
<tr>
<td>Sto AirSeal</td>
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<tr>
<td>Sto Gold Coat</td>
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<tr>
<td>Sto Emerald Coat</td>
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</tbody>
</table>
Approved Building Components (cont.)

Pecora **AVB Silicone Sealant & Adhesive** may be applied over the following:

<table>
<thead>
<tr>
<th>Liquid Applied Air &amp; Vapor Barriers (cont.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tremco ExoAir 120 SP/R (Spray/Roller Grade)</td>
</tr>
<tr>
<td>W.R. Meadows Air-Shield LM</td>
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<tr>
<td>W.R. Meadows Air-Shield LMP</td>
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<tr>
<td>W.R. Meadows Air-Shield LSR</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Air &amp; Vapor Barrier Building Wraps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barricade Plus Building Wrap</td>
</tr>
<tr>
<td>Delta Fasssade S UV-Resistive Barrier</td>
</tr>
<tr>
<td>DuPont Tyvek Commercial &amp; Home Wrap</td>
</tr>
<tr>
<td>GreenGuard MAX Building Wrap</td>
</tr>
<tr>
<td>Hardie Wrap Weather Barrier</td>
</tr>
<tr>
<td>Typar MetroWrap Building Wrap</td>
</tr>
<tr>
<td>VaproShield RevealShield Air Barrier Membrane</td>
</tr>
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<table>
<thead>
<tr>
<th>Architectural Coatings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pecora WeatherClad</td>
</tr>
<tr>
<td>StoCoat Lotusan</td>
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<tr>
<td>StoSilco Lastic</td>
</tr>
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<table>
<thead>
<tr>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M 8067 All Weather Flashing Tape</td>
</tr>
<tr>
<td>Dupont Tyvek Tape</td>
</tr>
<tr>
<td>Henry 925 BES Sealant</td>
</tr>
<tr>
<td>Hohmann &amp; Barnard X-SEAL Tape</td>
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<tr>
<td>Hyload Structural Roofing Sealant*</td>
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<tr>
<td>Pecora XL-Span Silicone Transition Membrane</td>
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<tr>
<td>Prosoco R-Guard Joint &amp; Seam Filler (FR7200)</td>
</tr>
<tr>
<td>Protecto Wrap Detail Tapes</td>
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<td>Protecto Wrap SaSeal Tapes</td>
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<tr>
<td>StoGuard Tape</td>
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<td>VaproShield VaproAluma Tape</td>
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<table>
<thead>
<tr>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass</td>
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<tr>
<td>Stainless Steel</td>
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<tr>
<td>Mill Finish Aluminum</td>
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<tr>
<td>Anodized Aluminum</td>
</tr>
<tr>
<td>Painted Metal (Kynar, Duranar, Fluoron, Duracron, etc)</td>
</tr>
<tr>
<td>Copper</td>
</tr>
<tr>
<td>Vinyl</td>
</tr>
<tr>
<td>Wood (Bare and Stained)</td>
</tr>
<tr>
<td>Pecora Silspan Preformed Silicone Profiles</td>
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<tr>
<td>Georgia-Pacific DensGlass Sheathing</td>
</tr>
<tr>
<td>National Gypsum Gold Bond eXP Sheathing</td>
</tr>
<tr>
<td>USG Securock Glass-Mat Sheathing</td>
</tr>
</tbody>
</table>

1 The results reported here are not considered a substitute for project specific field or laboratory adhesion testing. Project specific adhesion testing is always recommended.
2 Application to polyethylene side only (where applicable). Contact with asphaltic side of peel and stick may result in discoloration and loss of adhesion. Since Pecora architectural sealants are applied to varied substrates under diverse environmental conditions and construction situations, it is recommended that substrate testing be conducted prior to application. If this is not possible prior to sealant application a field adhesion test may be conducted as outlined in Pecora’s Technical Bulletin #55.
3 For use in static joints only
* Sealant must be fully cured prior to application of Pecora AVB sealant.