ZIPsystem™
LIQUID FLASH

INSTALLATION MANUAL

ZIPSYSTEM.COM

ATTENTION: This installation guide is intended to provide general information for the designer and end user. The following guidelines will help you properly apply ZIP System™ liquid flash. We urge anyone installing this product to read these guidelines in order to minimize any risk of safety hazards and to prevent voiding any applicable warranties. This manual is a general installation guide and does not cover every installation condition. Proper installation shall be deemed to mean the most restrictive requirement specified by Huber Engineered Woods (HEW), local building code, engineer or architect of record or other authority having jurisdiction. You are fully and solely responsible for all safety requirements and code compliance. For additional information, contact Huber Engineered Woods, LLC.

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SAFETY GUIDELINES: Follow all OSHA regulations and any other safety guidelines and safety practices during installation and construction.

✔ Use approved safety belts and/or harnesses or other fall protection equipment.

✔ Install ZIP System™ liquid flash only clean surfaces under safe construction site conditions. Install when temperatures are 35 °F and above.

✔ Wear rubber-soled or other high-traction footwear while on elevated surfaces. Do not wear footwear with worn soles or heels.

✔ Ensure the surfaces are free from oil, chemicals, sawdust, dirt, tools, electric cords, air hoses, clothing and anything else that might create a tripping hazard.

CONTENTS

SAFETY GUIDELINES

Read full product label and Safety Data Sheet for precautionary instructions before using the product.

- Use adequate ventilation. Breathing large amounts of vapor may be harmful. Due to the viscosity, rapid curing and minimal volatility of raw materials in this product, no significant vapor exposure is expected in typical exterior applications.
- May cause eye irritation. Symptoms may include stinging, tearing, redness or swelling.
- May cause skin irritation. Symptoms may include redness, itching, and swelling.
- Do not ingest. Swallowing large amounts may be harmful.
- Safety goggles and protective gloves are recommended.
- Remove contaminated clothing immediately.

ZIP SYSTEM™ LIQUID FLASH // OVERVIEW

ZIP System™ liquid flash is a liquid-applied flashing membrane that can be used to create a continuous barrier to help protect your building envelope against air and water infiltration. The seamless air and water barrier provide an instant rough dry-in during construction in addition to air and water protection. Designed for both light commercial and residential construction, ZIP System™ liquid flash provides ultimate versatility in sealing irregular, curved or hard to flash areas such as window and door rough openings and through wall penetrations.

ZIP System™ liquid flash is easy to gun, spread and tool in harsh and demanding weather conditions. It bonds to damp or dry surfaces, when used with ZIP System® sheathing panels it does not need a primer to bond with the surface. It also becomes opaque (can't see through it) when the minimum thickness is achieved ensuring good quality control and efficiency. Please refer to the installation instructions in this manual for specifics on installation.

ZIP SYSTEM™ LIQUID FLASH // NOTES & LIMITATIONS

🚫 Do not use as a structural sealant or adhesive.

🚫 Do not use in place of appropriate through wall flashing.

🚫 Do not use below grade or in locations which are continuously immersed in water.

🚫 Do not apply to surfaces with standing water or frost.

🚫 Do not exceed 180 days of weather exposure.

🚫 Do not dilute or alter. No mixing required.

🚫 Do not disturb applied product during curing/drying sequence.

🚫 ZIP System™ Liquid Flash is slippery when wet and may cause a safety hazard if used on non-vertical, sloped surfaces such as for roof penetrations.

🚫 Not recognized for use where non-combustibles sealant materials are required by code.

ZIP SYSTEM™ LIQUID FLASH **//** NOTES & LIMITATIONS

✔ ZIP System™ liquid flash can be used to seal the seams of ZIP System® panels, including inside and outside corners.

✔ Service temperatures for cured ZIP System™ Liquid Flash are between -75°F (-59°C) and 200°F (93°C).

✔ Ambient and panel surface temperatures should be between 35°F (2°C) and 110°F (43°C) during application and drying. If air or surface temperatures exceed 95°F (35°C), apply to shaded surfaces and before daytime air and surface temperatures reach their peak.

✔ Any gaps that exceed 1/4" should be filled with expandable foam insulation, backer rod or fiber-reinforced gap filler prior to the application of ZIP System™ liquid flash.

✔ When applying ZIP System™ liquid flash over 3-3/4″ ZIP System™ flashing tape, wipe the flashing tape down with acetone wipe or rag prior to applying the liquid flash.

ZIP SYSTEM™ LIQUID FLASH // AVAILABLE SIZES†

ZIP System™ liquid flash cartridges are available in 10.3 oz and 29 oz options

ZIP System™ liquid flash sausage tubes is available 20 oz option

†ZIP System™ liquid flash cartridges are designed to fit in any standard cartridge caulk gun and the ZIP System™ liquid flash sausage tubes are designed to fit in any sausage caulk gun.

ZIP SYSTEM™ LIQUID FLASH // ADVANTAGES

- Flows easily to seal irregular, curved, or hard to flash areas
- Seamless, durable, long-lasting protection against air and water penetration
- Withstands rain immediately after installation, providing fast rough dry-in
- Warranted for up to 180 days of exposure, accommodating delays to the construction schedule.
- Easy to apply in demanding and wet weather conditions
- Bonds to damp or dry surfaces
- Target application thickness is achieved when you can't see the substrate underneath (approximately 12-15 mils thick)
- No solvents or isocyanates
- Complies with common VOC regulations such as US EPA, CARB

ZIP SYSTEM™ LIQUID FLASH // GENERAL INFORMATION

RECOMMENDED APPLICATIONS

Only use in buildings of Type III (roof only) and V (roof and wall) construction or construction permitted under the International Residential Code. Use in the following areas:

- Irregular, curved or hard to flash areas
- Rough opening flashing
- Through wall penetrations such as pipes, etc.
- Transitions between wood sheathing and concrete or masonry
- ZIP System® sheathing panel seams
- Overdriven Field Fasteners

COMPATIBLE SUBSTRATES

Adheres to ZIP System sheathing without a primer. Bonds to most building materials including OSB sheathing, PVC, concrete, masonry, plywood, wood, magnesium oxide (MgO) board, galvanized steel, stainless steel, anodized aluminum, painted metals, glass, FRP, and EPDM.

STORAGE AND HANDLING

Store ZIP System™ Liquid Flash in a cool, dry place. Keep container tightly closed when not dispensing. Do not open container until preparation work has been completed. Do not alter or mix with other chemicals. When stored at or below 80°F (27°C) ZIP System Liquid Flash has a shelf life of 12 months after the date of manufacture. This shelf life assumes upright storage of factory-sealed containers. Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations.
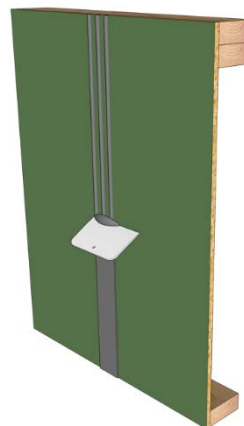
ZIP SYSTEM™ LIQUID FLASH // PANEL SEAMS

When using ZIP System™ liquid flash as the panel seam flashing for ZIP System® sheathing panels, ensure the panels are free of any dirt, debris or oily-films. Begin by applying ZIP System™ liquid flash into the 1/8″ panel joint.
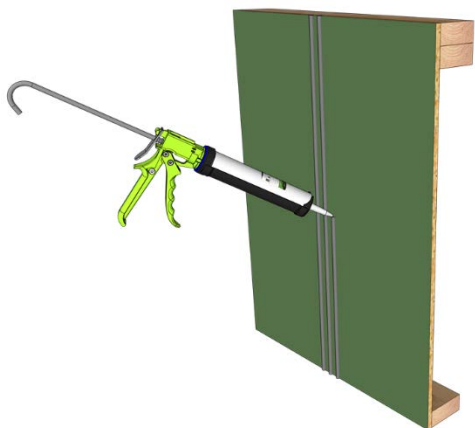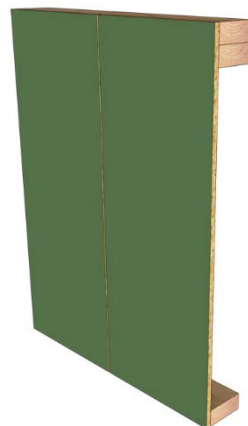
Once applied into the joint, place a bead of ZIP System™ liquid flash approximately ½″ away from the joint on either side of the seam. This can be done in a straight line or in a serpentine pattern.
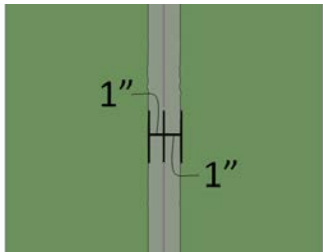
Lastly, using a spreader, flatten out the beads of ZIP System™ liquid flash until an even coat of liquid flash is applied over the panel joint.

PRO TIP: installers often prefer to use soft, rigid plastic spreaders. Often times, these spreaders are disposable.

ZIP SYSTEM™ LIQUID FLASH // PANEL SEAMS

Ensure a minimum of 1-inch of ZIP System™ liquid flash has been applied on either side of the panel seam joint as well as in the panel joint.

ZIP System™ liquid flash should be a minimum of 12-15 mils in thickness. Using this method, 1 oz of ZIP System™ liquid flash will cover approximately 1-linear foot of panel seam.

15
14
13
12
11
10

MIL GAUGE

Liquid flash skins within 30 minutes and achieves a workable cure within 24 hours at 70F (21C) at 50% relative humidity and complete cure after 21 days under the same atmospheric conditions. Low temperatures and relative humidity will slow curing time.

ZIP SYSTEM™ LIQUID FLASH // PANEL SEAM COVERAGE

| COVERAGE RATE* (linear foot)		
	Panel Seam	Window Sill Pan**
10 oz Cartridge	10	10
20 oz Sausage Tube	22	20
29 oz Cartridge	30	29

* Based 12-15 mils thickness
** Based on 2x4 framing

ZIP SYSTEM^{TM} LIQUID FLASH **//** CLEAN UP

When using reusable tools, clean tools and equipment with mineral spirits or similar solvent immediately after use. Isopropyl alcohol works for removing wet Liquid Flash from tools and hands. Follow all safety precautions. Remove cured Liquid Flash mechanically using a sharp-edged tool.
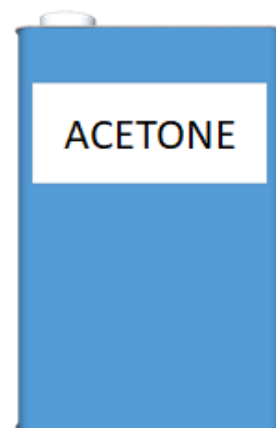
ZIP SYSTEM^{TM} LIQUID FLASH **//** FIRST AID

- EYE CONTACT: Immediately rinse eyes with plenty of water. Remove any contact lenses. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Continue flushing eyes with running water for at least 15 minutes. Get medical attention if irritation develops.

- SKIN CONTACT: Wipe off material with a dry cloth. Follow with a non-aqueous skin cleaner and rinse with clean water. Get medical attention if irritation develops and persists.

- INHALATION: Remove from area to fresh air. If symptoms persist, get medical attention.

- INGESTION: DO NOT induce vomiting. DO NOT give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

ZIP SYSTEM™ LIQUID FLASH // COMMON DETAIL

WINDOW // FLANGED WINDOW SILL PAN
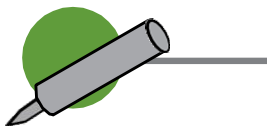
Install ZIP System™ liquid flash into the rough opening. Ensure the liquid flash integrates onto the water resistive barrier a minimum of 2-inches and up the jambs a minimum of 6-inches. Trowel out using a spreader tool until a thickness of 12-15 mils is achieved.

ZIP SYSTEM™ LIQUID FLASH // COMMON DETAIL
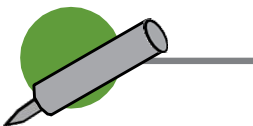
PIPES // PENETRATION

Install ZIP System™ liquid flash into the pipe penetration. Ensure a minimum of 1-inches of liquid flash on the pipe and the water resistive barrier. Trowel out the liquid flash using a spreader tool until a thickness of 12-15 mils is achieved.

ZIP SYSTEM™ LIQUID FLASH **//** COMMON DETAIL
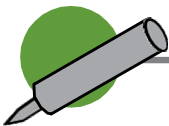
WINDOW **//** RECESSED WINDOW

STEP 1: Install ZIP System™ liquid flash into the entire rough opening. Ensure the liquid flash integrates onto the water resistive barrier a minimum of 2-inches. Trowel out the liquid flash using a spreader tool until a thickness of 12-15 mils is achieved.

ZIP SYSTEM™ LIQUID FLASH **//** COMMON DETAIL
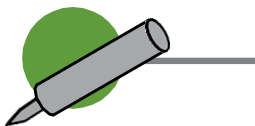
WINDOW **//** RECESSED WINDOW

STEP 2: Apply approved sealant per window manufacturer's written instructions on the back side of the window flange and set into the rough opening after the liquid flash in the rough opening has cured.
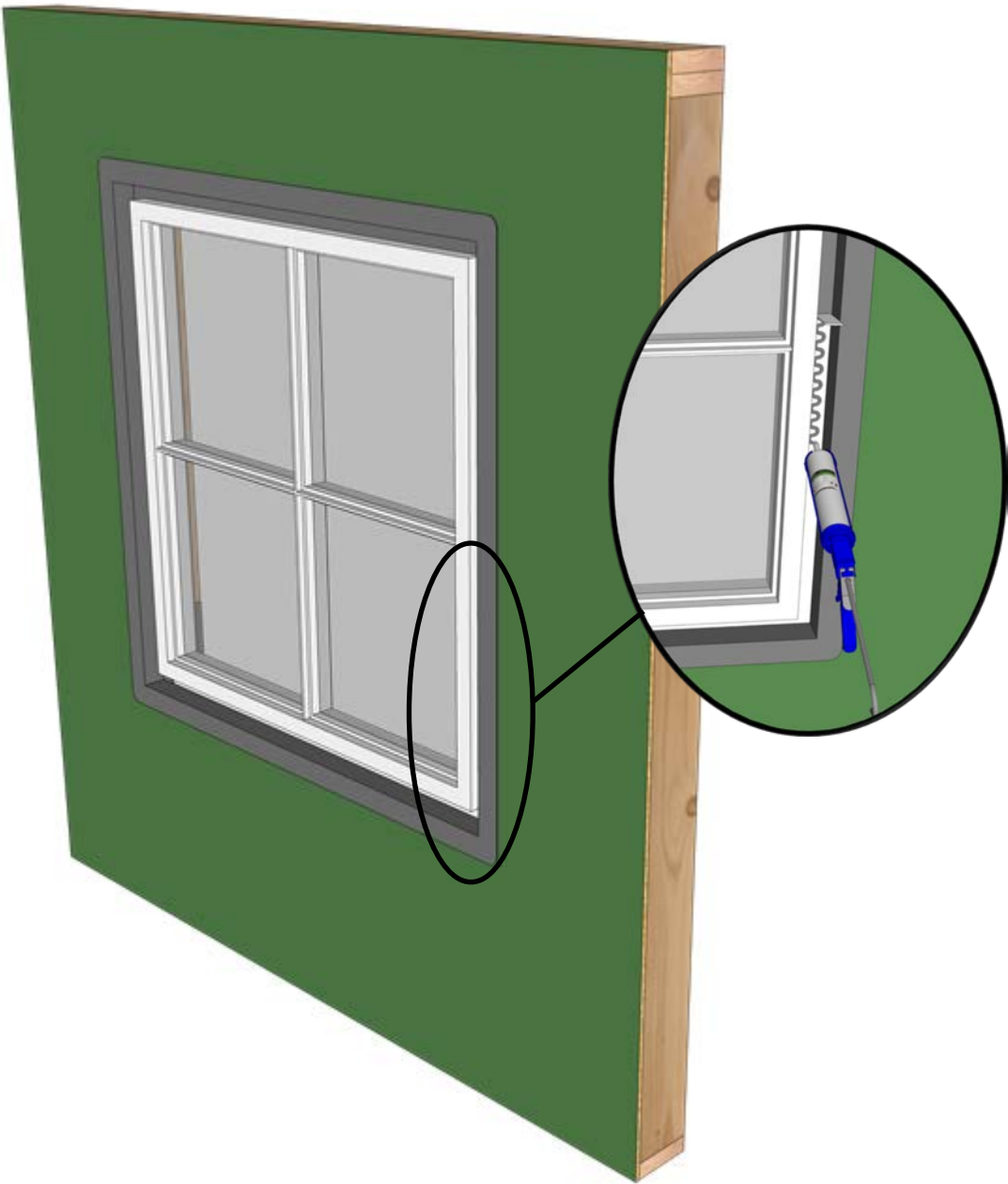
# ZIP SYSTEM™ LIQUID FLASH // COMMON DETAIL

WINDOW // RECESSED WINDOW

STEP 3: Secure window to manufacturer written instructions, install ZIP System™ liquid flash on to the jamb and head flanges to the existing rough opening flashing a minimum of 1 inch. Trowel out the liquid flash using a spreader tool until a thickness of 12-15 mils is achieved.

ZIP SYSTEM™ LIQUID FLASH // COMMON DETAIL

WOOD SHEATHING TO MASONRY // TRANSITION
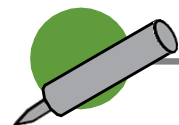
Ensure there is a minimum 1/2-inch gap between the wood structural panel and masonry wall. For gaps larger than 1/4-inch, fill the gap with backer rod. Apply the ZIP System™ liquid flash from the masonry wall to the water resistive barrier. Ensure a minimum of 1-inches is achieved. Trowel out the liquid flash using a spreader tool until a thickness of 12-15 mils is achieved.