



ENGINEERED
WOODS

ZIP SYSTEM® LIQUID FLASHING

MANUFACTURER

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BASIC USE AND APPLICATIONS

ZIP System Liquid Flash is a liquid-applied flashing membrane use in combination with ZIP System Sheathing to create a continuous air/moisture barrier. ZIP System Liquid Flash is compatible with ZIP System Sheathing's phenolic resin-impregnated protective facing, and works in conjunction with ZIP System Tape to permanently flash and seal all building penetrations and panel seams.

ZIP System Liquid Flash loads into a professional sausage-pack caulking gun and is easily applied to form a resilient, seamless membrane. Intended for use on both commercial and residential buildings, ZIP System Liquid Flash provides great versatility in sealing panel seams and irregular, curved, or hard-to-flash areas such as a curved window and door rough openings, through-wall pipe, conduit, and vent penetrations, and terminations of metal flashings.

ZIP System Liquid Flash transforms ZIP System sheathing into a seamless protective barrier, providing a superior airtight and watertight seal that resists harsh elements. The combination of ZIP System Sheathing and ZIP System Tape or ZIP System Liquid Flash eliminates the need for a separate application of building wrap or roofing felt. Install the sheathing panels, seal the seam with ZIP System Tape or ZIP System Liquid Flash, seal the penetrations with ZIP System Liquid Flash, and the building is permanently weatherized.

ZIP System Liquid Flash	
Allowable Exposure Period	180 Days
Sealant Composition	Single component silyl-terminated polyether (STPE)
Surface and ambient Application Temperature	Between 35 °F (2 °C) and 110 °F (43 °C)
Compatibility	PVC, EPDM, concrete, masonry, structural sheathing, painted and unpainted metals, and glass



ADVANTAGES

ZIP System Liquid Flash is specifically formulated for compatibility and durability as a component of the ZIP System air/moisture barrier. It is also effective in similar applications utilizing a wide range of sheathing and weather barrier products. Test results for air/moisture assemblies utilizing ZIP System Liquid Flash as a component demonstrate its effectiveness in preventing air infiltration and water penetration at vulnerable barrier penetrations of vents, piping, and conduits as well as transitions from sheathing to adjacent masonry construction.

The result is a superior, reliable, durable seal. ZIP System Liquid Flash displays excellent resistance to deterioration from aging and from weather exposure – a critical need for components of the air/moisture barrier that are not visible and readily renewable. In addition, its elongation accommodates the normal expansion and contraction found in wood construction.

ZIP System Liquid Flash is easy to gun, spread, and tool in harsh and demanding weather conditions. It bonds to damp or dry surfaces and does not need a primer when bonding to the ZIP System panel surface. It becomes opaque when the minimum required thickness achieved, ensuring a good quality control and efficiency.

SUSTAINABILITY

- Contains no solvents or isocyanates
- Complies with US EPA National VOC Standards for Architectural Control Measure for Architectural Coatings, 63 FR 176:48848
- Complies with California Air Resources Board (CARB) Suggested Control Measure for Architectural Coatings (SCM)

PACKAGING

ZIP System Liquid Flash is available in 20 oz. (0.59 L) sausage packs and standard 29 oz. (0.86 L) caulk tubes.

NOTES AND LIMITATIONS

ZIP System Liquid Flash is classified as a Class A building material; however, it is not recognized for use where non-combustible sealants are required.

- Recommended for use in buildings of Class V construction and construction permitted under the IRC
- Not considered a substitute for self-adhering ice and water barrier applications in roofing systems; where such materials are required, provide them in addition to application of Liquid Flash
- Not recommended for use as a structural sealant or adhesive, a through-wall flashing or for use below grade or where continuously immersed in water
- Compatible with most urethane, silicone, and acrylic sealants and coatings

SUBSTRATE

Ensure that substrate is surface dry and free of frost, dust, dirt, loose fasteners, and protrusions. Apply Liquid Flash when ambient air and substrate are above 35 °F (2 °C) and below 110 °F (43 °C).

Refer to manufacturer's instructions for application of ZIP System Panels and ZIP System Tape. Prime or lightly scuff portions of ZIP System Tape application that will come into contact with Liquid Flash.

INSTALLATION

Refer to manufacturer's ZIP System Liquid Flash Installation Manual for instructions for application. Fill gaps exceeding 1/4" (6 mm) with approved backing material prior to application. Comply with detailed instructions for flashing the following:

- Flanged and brick mould windows
- Pipe, conduit, and electrical boxes
- Vent hoods
- Mechanical flashing transitions

COVERAGE AND CURING

A 20 oz. (0.59 L) Liquid Flashing sausage pack covers approximately 50 linear feet (15 m) of panel seam or 20 linear feet (6 m) of window flashing, the 29 oz. (0.86 L) cartridge covers 70 linear feet (20 m) of panel seam or 29 (8.5 m) of window flashing, and the 10 oz. (0.30 L) cartridge covers approximately 25 linear feet (7.5 m) of panel seam or 10 of window flashing. Coverage rates assume an installed thickness of 12-15 mils in a wall constructed of 2x4 framing. Liquid Flash skins within 30 minutes and cures within 4 hours at 70 °F (21 °C) and 50% relative humidity; low temperatures and low relative humidity slow curing time.

STORAGE AND HANDLING

Store ZIP System Liquid Flash in the original packaging at temperature not to exceed 90 °F (32 °C). Store in a cool, dry place.

When stored as recommended in its original unopened container the typical shelf life for ZIP System Liquid Flash is 12 months from the date of manufacture.

AVAILABILITY

Huber Engineered Wood's ZIP System Liquid Flash is available through distributors nationwide. Visit ZIPSystem.com or contact Huber Engineered Woods for a retailer near you.

WARRANTY

ZIP System Liquid Flash is furnished with a 30-year system warranty when used with ZIP System Sheathing. See ZIPSystem.com for details.

TECHNICAL SERVICE

Detailed information including specifications, product literature, test reports, installation instructions, and special applications is available through Huber Engineered Woods. Please visit ZIPSystem.com or call 800.933.9220 x2716 to speak to a technical representative or techquestions@huber.com.

AVAILABLE RESOURCES

Section 06 16 00 SHEATHING and Section 06 16 13 INSULATING SHEATHING guide specifications for ZIP System Roof and Wall Sheathing products in CSI 3-part format is available at ZIPSystem.com or HuberArchitectLibrary.com.

ZIP System Liquid Flash Physical Properties		
Total Solids		99 percent
VOC Content		30 g/L maximum
Hardness, Shore A	ASTM C661	35-45
Tensile Strength	ASTM D412	>150 psi (>1034 kPa)
Elongation at Break	ASTM D412	>350 percent
Flame Spread	ASTM E84	0
Smoke Developed	ASTM E84	15
Air Leakage, as part of tested assembly	ASTM E2357	<0.04 cfm/sq. ft. at 1.57 lb/sq. ft. (0.2 L/s*sq m at 75 Pa)
Water Vapor Transmission	ASTM E96	21 perms
Water Penetration, as part of tested assembly	ASTM E331	Pass at 2.86 lb/sq. ft. (137 Pa)
Wind Driven Rain	TAS-100	Pass at 110 mph (177km/h)
UV Exposure, 2000 hours	ASTM G154	Pass
Accelerated Weathering	ASTM C793	Pass

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