PRODUCT CATALOG

CHEM LINK
POLYMER INNOVATION

High-Performance Adhesives, Sealants and Coatings without Toxic Risk.
POLYMER INNOVATION

Founded in 1990 and based in Schoolcraft, Michigan, Chem Link formulates and manufactures high-performance adhesives, sealants, coatings and related products for application throughout the building envelope. Chem Link products are designed to combine high performance with safety and environmental compatibility. They do not contain solvents, which are linked to problems with fumes, fire and toxic exposure. Chem Link is an American company that distributes throughout North America. Chem Link has built its reputation on polymer innovation. Chem Link pioneered polyether technology in the 1990s, a chemistry that provides distinct advantages over sealants, adhesives and coatings based on polysulfide, urethane, acrylic and other polymers.

CUSTOMER SERVICE

Chem Link prides itself on fanatical customer service. Well trained, highly experienced customer service representatives provide live answer calls or return messages promptly. Chem Link customer service representatives are knowledgeable about all Chem Link products and their applications throughout the building envelope. All customer service representatives operate from Chem Link operations in Schoolcraft, Michigan, U.S.A.

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PRODUCTS

Polyether sealants and adhesives

Chem Link pioneered polyether technology which delivers unique properties in sealants and adhesives. Polyethers cure by reacting with moisture naturally present in building materials and the atmosphere. Thus, they require no solvents or isocyanates, and do not shrink when they cure since they are 100% solids. Polyethers have excellent flexibility, weathering and UV-stability properties.

MULTI-PURPOSE SEALANTS/ADHESIVES

Chem Link provides an extensive line of high-performance sealants/adhesives designed for nearly every construction application. These high-solids, solvent-free, nonflammable, virtually zero-VOC products conform to all OTC regulations for adhesives and do not contain cancer-causing chemicals listed in California Prop 65.

M-1

is a high-strength, multi-purpose structural adhesive/sealant designed for bonding and sealing a wide range of construction materials. M-1 forms a tough, elastic, waterproof seal on most roofing materials, as well as masonry, wood, glass, aluminum and foam insulation. Application to flashing, coping, skylights and HVAC are typical. Also, M-1 is an ideal emergency repair sealant because it can be applied underwater for a temporary repair of leaks. M-1 features 400 psi shear strength, 575% elongation, and a class A fire rating.

Clear

is a general purpose high-performance sealant that cures to a clear, elastic, waterproof seal. Clear is used on siding, windows, doors, metal flashing and other general construction applications. It bonds to painted metals, anodized aluminum, glass, vinyl, wood, masonry, polystyrene, and many engineered plastics.
**DuraLink 35 and 50**

Sealants are formulated to cure quickly into a durable rubber seal on window, door, siding and roofing applications. DuraLink 35 accommodates +/- 35% joint movement and DuraLink 50, +/- 50% joint movement. DuraLink 35 and 50 adhere to a variety of materials including wood, glass, EIFS, galvanized steel, masonry and many other common building materials. They also adhere to metals including galvanized steel and Kynar 500® PVDF-coated metals.

**DuraLink Color Match Program**

DuraLink 35 and 50 are available in a broad range of colors matched to major siding manufacturers. In addition, they can be custom pigmented on special orders. Complete color matching charts are available at [www.chemlink.com](http://www.chemlink.com).

**DuraLink 15**

Is a general purpose sealant used to seal non-dynamic right angle joints. It bonds to most construction materials such as aluminum, glass, brick, concrete, wood and vinyl and is paintable within 24 hours. DuraLink 15 guns and tools easily making it a great window and door wrap flashing mastic. The solvent free formulation will not harm foam insulation.
NovaLink 35
is a non-sag concrete/masonry sealant designed for use on either damp or dry concrete and will not outgas or bubble when applied to damp surfaces. NovaLink 35 is highly UV resistant, so it will not suntan, and is SWRI-validated for +/- 35% joint movement.

NovaLink SL
is a self-leveling concrete/masonry sealant for application to horizontal expansion joints. It can be used on damp or dry concrete and will not outgas or bubble when applied to damp surfaces. NovaLink SL is highly UV-resistant so it will not suntan, and can accommodate +/- 25% joint movement. NovaLink SL levels to a smooth finish and does not require tooling.

NovaLink SL Pool & Deck Joint Sealant
is formulated for sealing around pools, spas and fountains. Its excellent self-leveling properties eliminate the need for tooling. NovaLink SL Pool & Deck Joint Sealant has a 30-minute skin-over, and cures rapidly to a solid rubber seal that can accommodate 25% joint movement. Its excellent adhesion to clean masonry or concrete allows it to be installed without a primer in most joints smaller than 1/2 inch wide.
Adhesives

Chem Link construction and roofing adhesives are polyether based and thus deliver the key benefits of that technology: moisture cure, 100% solids, non-shrinking, excellent physical and weathering properties. In addition, polyether- based adhesives are solvent free, virtually VOC free, nonflammable, conform to all OTC regulations for adhesives and do not contain cancer-causing chemicals listed in California Prop 65.

CONSTRUCTION ADHESIVES

TileSecure
is a single-component adhesive formulated for installing and repairing a variety of natural and synthetic roof tiles including clay, concrete, composite and slate. This non-sag, quick-setting UV-resistant formulation is especially designed for roof tiles, valley and edge tiles, wall tiles and the repair of broken tiles. TileSecure may be painted and provides a long-lasting adhesive seal.

BuildSecure
is a general construction adhesive designed for various “panel-on-frame” assemblies in commercial and residential construction. It bonds to most construction materials including wood studs, galvanized steel framing, aluminum framing, rafters, sub-floors, drywall, gypsum, cove, fiberglass FRP panels and structural insulated panels (SIPS). Since it is solvent free, it can be used with expanded polystyrene (EPS) and polyurethane foam. BuildSecure conforms to ASTM 557.

FloorSecure
is designed for bonding wood, tile and stone flooring to most floor substrates. Its non-toxic, odor-free solvent-free properties combined with high initial tack, ease of application and generous adhesive coverage make it the perfect choice for interior flooring applications.

WallSecure
is a fast-setting wall and block adhesive with excellent adhesion to drywall, wood, metal, concrete, landscape blocks, capstones and other masonry substrates. WallSecure can be safely used for both interior and exterior applications. Wall Secure conforms to ASTM 557.
ROOFING ADHESIVES

SBS Mod-Bit Adhesive
is a solvent-free, low-odor medium-viscosity liquid adhesive for squeegee application at a rate of 1 ½ to 2 gallons per square. SBS Mod-Bit Adhesive is safe to use on occupied buildings where solvent/VOC fumes and odors cannot be tolerated.

Roof Assembly Adhesive
is a gun-grade mastic formulated for laminating insulation boards, fiber recovery boards and fireproof panels to steel, concrete, wood and fiberglass roof decks. It is a fast-setting, and requires no mixing or complicated equipment to install. Roof Assembly Adhesive is FM-approved and an excellent choice for both repairs and new construction.

EPDM Adhesive
is a patented polyether adhesive formulated to fully adhere EPDM rubber to roof insulation. Because it can be applied as a single coat, it offers significant labor savings compared to traditional two-coat adhesives. EPDM Adhesive is solvent and virtually odor free, so it presents no risk to building occupants.
Silicone sealants and adhesives

Silicones are known for their superior high temperature performance and their excellent adhesion to metals and coated metals. Oxime- or neutral-cure silicones have the additional advantage of being low odor. Chem Link offers two neutral-cure, single-component silicone sealants.

SILICONE METAL CONSTRUCTION SEALANTS

MetaLink

is a low-modulus silicone sealant, specifically formulated for application on metal substrates including roofs, gutters, downspouts, walls, doors and fixtures. MetaLink bonds to aluminum, steel and copper and delivers exceptional adhesion to Kynar 500® PVDF and Tedlar® PVF. It is available in a wide range of colors to match contemporary tastes in decorative metal roof and siding products.

DuraSil

is a low-modulus general purpose silicone construction adhesive/sealant used for a wide range of new construction and renovation applications, including windows, doors, roofs, and curtain walls. It has outstanding weather resistance and durability and can be applied in dry, cold or wet conditions. DuraSil is stable to temperatures up to 400°F, and bonds well to Kynar 500® PVDF-coated metal, glass block and many other building materials.
M-1 CR
Clean Room Adhesive/Sealant
M-1 CR (Clean Room) is a solvent-free, extremely low VOC, moisture curing, polyether adhesive-sealant designed for controlled environments where molecular airborne contamination can impact human health or sensitive manufacturing operations. It is specified for use in biomedical, electronic and aerospace industries. M-1 CR releases virtually no molecular air contamination and contains no isocyanates.

M-1
Marine Grade Structural Adhesive/Sealant
M-1 Marine is a moisture cure polyether adhesive/sealant formulated for applications above or, post cure, below the water line and in areas where outgassing and solvents are not tolerated. Applications include port lights, deck fittings, moldings, struts and planking, stem joints, teak deck planking. M-1 bonds to wood, fiberglass, gelcoat, metal, glass, polycarbonate and most other plastics.
PENETRATION SEAL SYSTEMS

The ChemCurb/E-Curb Penetration Seal Systems

*Chem Link’s* patented ChemCurb/E-Curb Penetration Seal Systems have been keeping roof penetrations watertight since 1990. These systems replace old metal pitch pans with versatile, precast components, pourable sealants, and special adhesives. A single curb can usually be installed in under 10 minutes without the need for flashing or mechanical attachment.

ChemCurb/E-Curb Penetration Seal Systems are designed for use on granulated modified bitumen, asphalt, coal tar B.U.R., and single-ply roofing membranes (TPO membrane installations require a TPO Primer). When installed properly, Curbs form a durable, waterproof rubber seal around penetrations of any size.

**ChemCurbs**

The ChemCurb System is sold as a kit or as separate components for completing large jobs or creating custom configurations. Thick-walled ChemCurb precast forms are composed of gray polyester resin. ChemCurbs are 2 inches high and are available in a variety of shapes and sizes. Round curbs have an inside diameter of 5 or 7.5 inches. Straight pieces are available in 6- and 12-inch lengths and can be combined with 2-inch radius corners to create larger, more varied patterns.

**E-Curbs**

Thinner walled, more economical E-Curbs feature interlocking “slip-fit technology” which allows for quick assembly and easy installation. E-Curb precast forms are composed of lightweight nylon resin. E-Curbs are 2 inches high and are available in a variety of shapes and sizes including: round pieces with inside diameters of 3, 4, 5, 6, or 9 inches; corner pieces with a 2-inch radius; straight pieces with 3-inch or 8-inch lengths; a 4.5-inch X 3.5-inch rectangle is also available.
CURB SYSTEM POURABLE SEALANTS
Once the Curb forms are in place, the cavity is then filled with a pourable sealant which cures to a permanent watertight seal that normally will outlast the life of the roof. Chem Link offers three pourable sealant products that are compatible with the Curb system.

1-Part
is the easiest approach to seal warranted ChemCurb/E-Curb penetration seals and pitch pans because it is ready to go right from the package. 1-Part is a 100% solids polyether sealant that does not shrink or have a strong odor. No mixing, waste or complicated tools are required when using 1-Part. With its resealable pouch, waste is minimized, making it one of the most economical ways to ensure a water tight seal on virtually any roof penetration.

Pro Pack
is a two-part, self-leveling urethane designed for use in warranted ChemCurb/E-Curb penetration seals and pitch pans. In both new construction or repairs, Pro Pack is fast setting regardless of the depth of the application, allowing for minimal down time and the ability to complete a roof project quickly and efficiently.

DuraSil SL
is a neutral/oxime-cure silicone sealant designed for use in warranted ChemCurb/E-Curb penetration seals and pitch pans. DuraSil SL is formulated for hot pipe applications up to 400°F. It is solvent free, contains no isocyanates and will not shrink upon curing. DuraSil SL has resilient “elastomeric” properties with 50% joint movement and excellent adhesion to most construction materials.
**CURB SYSTEM KITS**

*Chem Link* offers E-Curb and ChemCurb Kits, which contain a set number of curbs along with sufficient adhesive and sealant for installation. Many contractors find kits to be convenient because everything needed is contained in a single carton.

**E-Curb Kits**

E-Curb precast form components are composed of lightweight nylon resin. The E-Curb is 2 inches high and is available in a variety of shapes and sizes. Standard kit sizes include bisected circular pieces with inside diameters of 4, 5, 6 or 9 inches; and a 4.5 x 3.4-inch rectangle. All kits include gloves, warranty card and enough 1-Part Pourable Sealant and M-1 Adhesive/Sealant to complete the job.

Specialty E-Curb kits are also available for the use on steep slope and metal roofing as well as hot pipe applications.

**ChemCurb Kits**

ChemCurb precast form components are composed of gray polyester resin. The ChemCurb is 2 inches high and is available in a variety of shapes and sizes. Standard kit sizes include bisected circular curbs with an inside diameter of 7.5 or 5 inches. All kits include gloves, warranty card and enough 1-Part Pourable Sealant and M-1 Adhesive/Sealant to complete the job.

A 2-Component urethane ChemCurb system is also available where quick cure situations are warranted. Kit includes two round curbs, Pro Pack resin with hardener, M-1 Adhesive/Sealant, mixing paddle and warranty card packaged in a single carton.

**FlashPack Liquid Flashing**

is designed to waterproof around odd-shaped roof penetrations in difficult flashing conditions. FlashPack components are moisture curing which will not outgas or bubble on damp surfaces as urethane sealants do. FlashPack is suitable for many construction site conditions dealing with wet or dry climates and low temperatures down to (32°F/ 0°C). Each kit contains three 2-liter pouches of Liquid Flashing Sealant, two M-1 Adhesive/Sealant cartridges, a 50’ roll of flashing fabric, rubber gloves, three nozzle extensions, and a notched trowel.
ROOF REPAIR TAPES

Chem Link roof tapes featuring MicroSealant technology are formulated from non-butyl synthetic rubbers and resins, and in some versions, thermoplastics. The resulting technology produces a primer-like instant bond to most materials used in traditional building envelope and roofing applications (excluding silicone). MicroSealant technology involves a molecular structure that is extremely stable—it is resistant to oxygen, ozone, heat, extreme cold and the effects of temperature recycling. Chem Link roof tapes will bond to almost any selected substrate at a molecular level, increasing surface area, and resulting in a “fusing” action, and they are self-healing. MicroSealant tapes can be installed across a wide temperature range on flat and horizontal surfaces, and are extremely tolerant of chemical contact.

Roof Seal
Roof Seal tapes are 35 mils +/- 2 mils and can be used for fixing leaks on all types of roofs including TPO, EPDM, aged PVC, rubber, and metal.

Web Seal
Web Seal Tapes are 30 mils thick with fabric backing and are designed to make seams watertight before the application of a coating. Web Seal is compatible with virtually all types of roof coatings and sealers.

Double Stick
Double Stick tapes are 60 mils thick and are designed to bond to two surfaces including dissimilar materials. They can also be twisted into a rope for filling voids, gaps and holes.
**SnowShoes**

will help prevent dangerous snow slides on virtually any pitched roof surface. They are designed with a unique low profile that is both strong and economical. SnowShoes bond well to metal, Kynar 500® PVDF, slate, tile, asphalt and PVC membranes. They come in clear and smoke. SnowShoes are paintable (pre-installation) and the kit provides both SnowShoes and DuraSil adhesive.

**ChemLink SOF®-Rod**

is a cylindrical, flexible foam rod for use as a sealant backing, primarily used in expansion and contraction joints in concrete construction. SOF-Rod is especially suited for irregular joints and on tilt-wall/vertical joints. It is easily compressed so it can be used at widths as low as 40% of product diameter. Service temperature ranges from -45°F to +160°F.

**ChemLink HBR®-Rod**

is round, flexible, extruded closed-cell polyurethane foam backer generally used for ground level applications of cold-applied sealants and is especially effective in high moisture environments. HBR-Rod is available in various diameters and lengths. Service temperature ranges from -45°F to +160°F.
ChemLink Low-VOC TPO Primer is a VOC-compliant, solvent-based thermoplastic liquid for application to new or aged TPO membranes where adhesion of ChemCurbs/E-Curbs is desired, or when applying CHEM LINK adhesives/sealants to TPO membranes.

Quick Cut Roof Cleaner is an industrial-strength, biodegradable, non-flammable roof cleaner that emulsifies grease, oil, atmospheric dirt, road film and many other soils without damaging or eating away at the surface. It is formulated to break the bond between soil and roof surface, holding soil particles in suspension to make removal easy. Quick Cut does not contain acids, caustic soda or potash, hazardous solvents or VOCs. Application: Dilute as recommended on label, apply with standard spray equipment, follow with pressure wash.

Caulking Guns ChemLink stocks quality Albion caulking guns in many types and sizes, including 10.1 oz. guns, 28 oz. guns and 20 oz. sausage guns.