

INFRASTRUCTURE

SOLHYDROC
SOLUTIONS FOR CONCRETE



RESTORATION & PROTECTION

- Grouts & Mortars
- Injection resins
- FRP Reinforcement
- Joint materials
- Waterproofing, coatings and membranes



OUR HISTORY

For over two decades now, Solhydroc's products for concrete have been used on construction jobsites across Canada. They have been used as unique solutions to the maintenance and repair of underground public transportation systems, many mining and metallurgy sites, wastewater facilities, for the repairs of highway & bridge infrastructure and for **heavy industrial applications** by concrete repair professionals.

Solhydroc has built its reputation on providing excellent materials backed by an outstanding on site technical support. Solhydroc specialists work jointly with applicators, engineers and architects to provide best practice and knowledge to all parties.

INFRASTRUCTURE

Products designed to repair and protect concrete infrastructure in:

- ▶ Bridges, Tunnels and Dams
- ▶ Parking garages and building envelopes
- ▶ Potable water and wastewater infrastructure
- ▶ Transportation industry (road, rail, airports & seaway)



INDUSTRIAL

Products designed for the repair & protection of concrete structures in:

- ▶ Pulp & paper, petrochemical and chemical plants
- ▶ Mining, metallurgy sites and metal refineries
- ▶ Hydroelectric, nuclear or other types of power generating stations
- ▶ Industrial wastewater treatment structures

COMMERCIAL

Products designed for the repair and protection of concrete in various commercial applications:

- ▶ Commercial flooring & institutional flooring
- ▶ Parking structures
- ▶ Patios and balconies
- ▶ Ramps and walkways
- ▶ Building facades

THE GOAL

SOLHYDROC INC. designs, manufactures and proposes products for the repair, rehabilitation and protection of concrete. The principal objective is to supply materials and methods to meet and surpass the needs of the company's clients and propose long term solutions in order to ensure a superior performance of concrete.

THE PHILOSOPHY

First intended for the professionals of the construction industry, Solhydroc products are supported by an impeccable technical service, a dedicated sales force and a most innovative research and development department. We strive to assist and support the efforts of contractors, architects and engineers who use and recommend the solutions proposed by Solhydroc in the achievement and realization of each of their projects.

THE MISSION

To supply products and solutions for complex concrete deterioration problems. The Solhydroc team knows how to recognize the different sources of concrete problems and deterioration such as severe wear, a corrosive chemical environment and many other specific factors.

RESTORATION

SOLHYDROC'S line of concretes, grouts & mortars have been successfully used in various industrial jobsites across Canada. Each has been designed with the objective of offering a permanent repair of concrete.

Whether repairing a floor, a column or a wall, or reconstructing ramps, gutters or base pads, the STRUCTUROC and SOLHYDCRETE lines of products have been specifically designed for any heavy industrial application, large or small.

You can count on SOLHYDROC products and the team that stands behind them.

We pride ourselves in being there before, during and after your project in order to help you find the correct solution and answer all of your questions.

Repair Mortars

STRUCTUROC H

High Strength Rapid Setting Mortar for Horizontal Repairs

STRUCTUROC H is a rapid setting, high early strength repair material that requires only the addition of water to produce a fast, permanent repair for concrete. STRUCTUROC H is dimensionally stable and forms an integral bond with the existing concrete to restore its structural integrity. STRUCTUROC H is designed for horizontal repairs and can be placed at thicknesses ranging from 5mm up to 300mm in a single lift. This product can be extended with up to 50% of clean pea gravel to produce a rapid setting concrete.

Repair of spalled and damaged concrete floors due to wear, abrasion, temperature and other damage factors.

- ▶ Repair of concrete walls
- ▶ Repair of bridge decks
- ▶ Industrial concrete floor repair
- ▶ Parking decks and ramps
- ▶ Repair of concrete bases

STRUCTUROC H ULTRA

High Strength Rapid Setting Flowable Mortar for Horizontal Repairs

STRUCTUROC H ULTRA is a rapid setting, high early strength repair material that requires only the addition of water to produce a fast, permanent repair for concrete. STRUCTUROC H ULTRA is dimensionally stable and forms an integral bond with the existing concrete to restore its structural integrity. STRUCTUROC H ULTRA is designed for horizontal repairs and can be placed at thicknesses ranging from 3mm up to 100mm in a single lift. This product can be extended with up to 50% of clean pea gravel to produce a rapid setting concrete.

Coverage: Each 22.7kg (50 lb) bag when mixed with 2.3 to 2.4 L (0.60 to 0.63 gal) of clean potable water will yield 12L (0.42 ft³) and will cover approximately 1m² (11 ft²) at a thickness of 12mm (1/2").

Packaging: 22.7 kg (50 lb) polyethylene bags or 4,5kg (10 lbs) pails.

Repair Mortars

STRUCTUROC V

High Strength Rapid Setting Mortar for Vertical Repairs



All vertical or overhead repairs.

STRUCTUROC-V is a cement based, one component, polymer modified, high strength, shrinkage compensated rapid setting repair mortar. It is designed for vertical and overhead concrete repairs to produce superior bond, tensile and flexural strength. STRUCTUROC V is able to be placed and sculpted to proper shape in one operation for thicknesses from 5mm (1/4") to 50mm (2").

- ▶ Bridges
- ▶ Tunnels
- ▶ Multi-Level parking structures
- ▶ Parapets
- ▶ Clarifiers
- ▶ Viaducts
- ▶ Reservoirs
- ▶ Dams
- ▶ Column and Beam Repairs

Coverage: A 22.7kg bag of STRUCTUROC V will yield approximately 12.7L and cover 1.95m² at a 5mm thickness.

Packaging: 22.7kg (50lbs) bags

SOLHYDPLUG

Very fast setting repair mortar for stopping active water leaks



Used to stop active water leaks and to seal cracks to enable crack injection work.

SOLHYDPLUG is a very fast setting repair mortar specially formulated to plug and stop active water leaks and to repair concrete structures. SOLHYDPLUG is also used for sealing cracks and for setting injection ports for concrete injection work.

- ▶ Plug water leaks in concrete walls or structures
- ▶ Repairs to prefabricated concrete pipes and structures
- ▶ Plug leaks and perform substrate repairs in pipes and manholes
- ▶ Fast repairs and return to service of water treatment infrastructure

Coverage: SOLHYDPLUG is packaged in 22.7kg (50 lbs) bags or pails that yield a volume of approximately 12 L (0.42 ft³) when mixed with potable water. Each bag will cover approx. 1m² (11 ft²) at a thickness of 10mm.

Packaging: 22.7kg (50lbs) bags or pails

SOLHYDCRETE S.C.C.

High Performance Self Consolidating Concrete Repair Material



Used for partial or full depth repair of concrete slabs, beams, columns, soffits and walls.

SOLHYDCRETE S.C.C. is a high performance self-consolidating concrete that offers prolonged working time and improved placeability to produce a permanent repair of concrete. SOLHYDCRETE S.C.C. is dimensionally stable and forms an integral bond with the existing concrete to restore its structural integrity. SOLHYDCRETE S.C.C. can be placed at thicknesses ranging from 25mm to 450mm.

- ▶ Parking garages, balconies, walkways, elevated slabs and slabs on grade
- ▶ Bridges and overpass repairs
- ▶ Structural repairs for tunnels and dams
- ▶ Industrial plants

Coverage: SOLHYDCRETE S.C.C. is packaged in 25kg (55lb) bags that yield 13L (0.46 ft³) when mixed with 2.6 liters of clean, potable water.

Packaging: 25kg (55LB) bags

SOLHYDGROUT MARINE EPOXY

Three component epoxy mortar system for underwater applications



Designed for the repair of underwater concrete structures.

SOLHYDGROUT MARINE EPOXY is a three component epoxy mortar system designed for underwater applications. Because of its relatively long pot life, it is easy to handle yet still provides high early strength. It can either be placed by hand into forms or pumped into place.

- ▶ Underwater concrete repair
- ▶ Bridge pier repairs
- ▶ Hydro dam repairs
- ▶ Locks and wharf repairs
- ▶ Other marine concrete structures
- ▶ Large void repairs for underwater projects

Coverage: SOLHYDGROUT MARINE EPOXY is packaged in 3.1L (0.82 gal) units of resin & hardener. A 3.1 liter unit of liquid (resin & hardener) combined with 20kg of STRUCTUROC HCR-F Part "C" aggregate will yield 9.75 L (0.34 ft³).

Packaging: Resin and hardener: 3.1L (0.82 gal) units. HCR-F Aggregate "Large" or "Small": 20 kg (40lb) bags.

Epoxy injection

SOLHYDWELD LOW PRESSURE

Two-component, 100% solids epoxy injection resin for wicking into horizontal cracks without pressure



Used to structurally repair cracked concrete structures without the aid of pressure.

SOLHYDWELD LOW PRESSURE is a modified two-component 100% solids epoxy injection resin. SOLHYDWELD LOW PRESSURE is capable of penetrating into horizontal cracks as fine as 0.1mm in thickness without the aid of pressure.

- ▶ Parking garage structures
- ▶ Cracked concrete floor slabs
- ▶ Concrete base pads
- ▶ To rebond loose or detached floor tiles
- ▶ Large concrete surfaces with many cracks where pressure injection is not practical

Coverage: Estimating the required volume of material will depend on the type of structure to be injected. SOLHYDROC INC. recommends contacting an approved applicator for a more precise evaluation of the quantities required.

Packaging: 4L pre-measured units

SOLHYDWELD THIXO 20 & 50

Two-component, thixotropic epoxy injection resin



Designed to restore the structural integrity of cracked concrete when width of the crack is medium to large. SOLHYDWELD THIXO 20 & 50 are also used when the presence of water in the crack requires the use of a resin system with good water displacement capabilities.

SOLHYDWELD THIXO 20 and SOLHYDWELD THIXO 50 are two-component epoxy injection resins with a thixotropic consistency that prevents the resin from draining from the crack during its cure. Both SOLHYDWELD THIXO 20 & 50 have very good water displacement capabilities. The choice between SOLHYDWELD THIXO 20 and SOLHYDWELD THIXO 50 will depend on the width and depth of the crack to be injected.

- ▶ To weld cracks in hydro electric dam structures
- ▶ Primary and secondary containment reservoirs
- ▶ To weld cracked concrete base slabs such as subway system base slabs
- ▶ All cracked concrete structures where access for capping is not possible
- ▶ All cracked concrete structures where water or dampness is present

Coverage: Estimating the required volume of material will depend on the type of structure to be injected. SOLHYDROC INC. recommends contacting an approved applicator for a more precise evaluation of the quantities required.

Packaging: 4L pre-measured units

CHEM SEMIRIGID

Moisture activated polyurethane chemical grout sealant used to control water infiltration in concrete



Used to stop high pressure water infiltrations and to waterproof concrete structures.

CHEM SEMIRIGID is a moisture activated polyurethane chemical grout sealant containing prepolymer isocyanates (MDI). CHEM SEMIRIGID is a single component, solvent free non toxic product which reacts with water to form a hydrophobic semi rigid and chemically resistant foam. Once the product has completed its reaction, the foam becomes a completely inert material. CHEM SEMIRIGID reacts rapidly with water and can expand up to 15 times its volume.

- ▶ Bridges and tunnels
- ▶ Manholes and vaults
- ▶ Basement foundations
- ▶ Crack and joint repairs when movement of cracks or joints is moderate
- ▶ To quickly fill medium sized voids in concrete
- ▶ Stopping high pressure and high volume water infiltration

Coverage: Yield will be a function of the temperature of the unit injected and the percentage of the accelerator used. Estimation of material required will depend on the type of structure injected. SOLHYDROC INC. recommends contacting an approved applicator for a more precise evaluation of the quantities required.

Packaging: Resin: 20 kg (5 gal) pail
Accelerator: 900 ml (16 oz.) can

CHEMRIGID

Moisture activated polyurethane chemical grout to control large water infiltrations in concrete structures



Used to stop large volume and high pressure water infiltrations to restore the waterproof properties of the concrete structure. It can be used for soil stabilization and the filling of large voids.

CHEMRIGID is a moisture activated polyurethane chemical grout sealant containing prepolymer isocyanates (MDI). CHEMRIGID is a single component, solvent free, non toxic product which reacts with water to create a hydrophobic, rigid and chemically resistant foam. Once the chemical reaction is complete, the foam becomes a completely inert material. This polyurethane reacts with water rapidly and can expand up to 30 times its volume to stop large volume and high pressure water infiltrations. It can be used to fill large voids either in or behind concrete or masonry structures.

- ▶ To stop high pressure and large volume water infiltrations
- ▶ Manholes and vaults
- ▶ Soil stabilization
- ▶ Basement foundations
- ▶ To quickly fill large voids in concrete or rock structures

Coverage: Yield will be a function of the temperature of the unit injected and the percentage of the accelerator used. Estimation of material required will depend on the type of structure injected. SOLHYDROC INC. recommends contacting an approved applicator for a more precise evaluation of the quantities required.

Packaging: CHEMRIGID Resin: 20kg (5 gal) container - **RIGICEL Accélérateur:** 900 ml (16 oz.) can

SOLHYDJOINT EJC-25

Highly flexible two component rapid setting polyurea-based compound for joint filling



Used to seal expansion joints having 25% movement or less.

SOLHYDJOINT EJC-25 is a highly flexible, two component, rapid setting, polyurea based compound for joint filling. SOLHYDJOINT EJC-25 is a Class-25 expansion joint compound and has over 1000% elongation.

- ▶ Airport runways and Highways
- ▶ Parking garage structures
- ▶ Bridge Decks
- ▶ Roofing and Sidewalks

Coverage:

Linear feet per 600ml cartridge kit

Inches	¼	½	¾	1
¼	52	26	17	12
½	26	12	8	6
¾	17	9	6	4
1	13	7	4	3

Packaging:

2 X 300 ml cartridges = 600ml
 2 X 18.9L (2 X 5 gal) buckets
 2 X 189.27L (2 X 50 gal) drums

SILICOFLEX

Extruded silicone rubber joint sealing system



Used as an expansion joint sealing material for new construction or as a retrofit material to replace existing joints of all kinds. Recommended in all types of joints when movement is anticipated.

The Silicoflex Joint Sealing System is an innovative system designed in response to the absence of a sealing system that was both easy to install and offered a long, effective sealing life. This absence has been filled with Silicoflex and its features have made it a popular alternative to traditional sealing systems throughout the world. The Silicoflex System consists of an inverted "V" shaped, preformed, extruded silicone rubber seal, with a single component silicone locking adhesive and a primer. Two beads of silicone locking adhesive are used; one above and one below the silicone rubber seal to ensure a tenacious, water-tight and continuous seal.

- ▶ Expansion joints for concrete slabs in parking structures, plants and warehouse floors
- ▶ Expansion joints in bridges, viaducts and concrete ramps
- ▶ Repair or replace traditional expansion joint materials without replacing existing steel armoring or concrete headers
- ▶ Replace punctured or damaged gland in existing expansion joints mechanisms

Packaging: Silicoflex SF150, SF225 and SF400 are available in any length. The SF150 and SF225 come in standard 500 linear foot rolls, and the SF 400 is available in 300 linear foot rolls. Silicoflex Primer is packaged in 7.56 L (2 gal) units. Silicoflex Locking Adhesive is packaged in 750ml (26 oz) cartridges.

SOLHYDWRAP V2 190UC

Carbon Fiber Fabric for Structural Strengthening



Used as a CFRP in combination with the SOLHYDWRAP V2 200 for the structural reinforcement of concrete, wood, steel or masonry structures.

SOLHYDWRAP V2 190 UC is a proprietary high tensile strength, stitch bonded, unidirectional carbon fiber fabric. The material is combined in the field utilizing SOLHYDWRAP V2 200 to form a carbon fiber reinforced polymer (CFRP) laminate used to strengthen and/or upgrade structural elements.

- ▶ Structural capacity changes
- ▶ Seismic retrofitting
- ▶ Structural damage and repair
- ▶ Blast resistant upgrades

Coverage: Each 25 in X 50 ft roll of SOLHYDWRAP V2 190 UC will typically require one 3 gallon unit of SOLHYDWRAP V2 200 saturating resin.

Please consult your Solhydroc for help estimating materials for your specific application.

Packaging: SOLHYDWRAP V2 190UC fabric is available in standard rolls of 635mm X 15.24 m (25 in X 50 ft) and 635mm X 91.44 m (25 in X 300 ft). SOLHYDWRAP V2 200 is packaged in 11.4L (3 gal) units, 18.9L (5 gal) pails and 208L (55 gal) drums.

SOLHYDWRAP V2 280UG

E-Glass Fiber Fabric for Structural Strengthening



Used as a GFRP to strengthen load bearing structural elements.

SOLHYDWRAP V2 280UG is a proprietary high tensile strength, stitch bonded, unidirectional E-Glass fiber fabric. The SOLHYDWRAP V2 280UG is combined with the SOLHYDWRAP V2 200 epoxy resin to form a glass fiber reinforced polymer (GFRP) laminate system.

- ▶ Structural capacity changes
- ▶ Seismic retrofitting
- ▶ Structural damage and repair
- ▶ Blast resistant upgrades

Coverage: Each 25 in X 50 ft roll of SOLHYDWRAP V2 280UG will typically require one 3 gallon unit of SOLHYDWRAP V2 200 saturating resin.

Please consult your Solhydroc for help estimating materials for your specific application.

Packaging: SOLHYDWRAP V2 280UG fabric is available in standard rolls of 635mm X 15.24 m (25 in X 50 ft) and 635mm X 91.44 m (25 in X 300 ft). SOLHYDWRAP V2 200 is packaged in 11.4L (3 gal) units, 18.9L (5 gal) pails and 208L (55 gal) drums.

SOLHYDWRAP V2 CFRP

Carbon fiber laminate system for structural strengthening



Laminate system used to strengthen load bearing structural elements such as reinforced concrete or timber.

SOLHYDWRAP V2 CFRP is a heavy-duty laminate strengthening system for reinforced concrete and timber. The system consists of two components: SOLHYDWRAP V2 100 for bonding the reinforcement to the substrate and SOLHYDWRAP V2 CFRP pre-cured, carbon fiber laminates.

- ▶ Reinforced concrete and timber that are weakened by load increases
- ▶ Damage to structural parts
- ▶ A change in the previously used structural system
- ▶ Design or construction defects

Coverage: SOLHYDWRAP V2 CFRP laminates are available in any length. Standard rolls measure 100, 250 and 500 linear feet. Quantity of SOLHYDWRAP V2 100 material required in the field will vary according to the profile and roughness of the substrate.

Smooth Surfaces: 0.3 m²/L (12 square feet per gallon)

Rough Surfaces: 0.15 m²/L (6 square feet per gallon)

Packaging:

SOLHYDWRAP V2 CFRP:

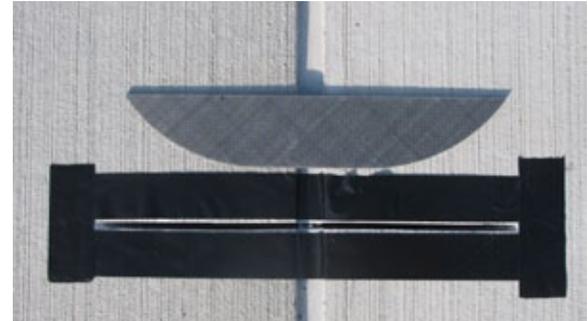
Thickness: 1.2 mm (0.0472") / Widths: 50mm (1.97"), 75mm (3.15"), 100mm (3.94")

SOLHYDWRAP V2 100:

2.84 L (¾ Gal) - 11.4 L (3 Gal) - 56.7 L (15 Gal) - 450 ml (16.5 oz.) cartridges

SOLHYDWRAP CFRP BISCUIT

Carbon/Glass Fiber Reinforced Plastic Laminate Designed to Repair Failed Metal Embedments



Used to repair the flange-to-flange connections for precast and pre-stressed double tee systems.

The SOLHYDWRAP CFRP BISCUIT is a custom carbon/glass fiber reinforced plastic laminate designed to repair failed metal embedments in precast concrete structures. A specially engineered tri-axial carbon fabric is used to provide high strength, while a proprietary textured glass fabric is bonded on the exterior face to provide additional toughness as well as a roughened bonding surface. The constituent resin matrix is a toughened vinyl ester with proven ability to provide strength along with superior chemical resistance, especially to salt and gasoline. Using a proprietary aerospace composite manufacturing technique the fabric and resin is combined to form a finished composite laminate that is then cut to shape using ultra-high pressure water jet cutting equipment.

- ▶ Industrial, commercial, institutional building structures that contain double tee systems
- ▶ Parking garage structures
- ▶ Gymnasium & Pool roofs
- ▶ Food processing plants
- ▶ Water and wastewater treatment plants

Coverage: Quantity of SOLHYDWRAP BISCUIT BOND PASTE required in the field will depend on the length, depth and width of the grooves cut into the concrete slabs.

HY-TEX

High build concrete protective coating for weatherproofing and architectural applications



Used to weatherproof and protect concrete, block, brick or prefabricated concrete surfaces.

HY-TEX is a 100% acrylic base high build concrete protective material which is specially formulated to provide a weatherproofing and architectural coating over fully cured concrete.

- ▶ Bridges, viaducts and overpasses
- ▶ Institutional buildings such as schools and hospitals
- ▶ Silos, tanks and water towers
- ▶ Parking structures

Coverage: The yield is between 0.75 to 2.0L per m².

Packaging: 18.9L and 208L units

SOLHYDSEAL 100

100% active hydrophobic silane monomer solution



With its capacity to penetrate deeply into the concrete or masonry matrix, SOLHYDSEAL 100 remains effective during many years. Its deep penetration protects structures against weathering, ultraviolet rays and abrasion. SOLHYDSEAL 100 will greatly reduce the effects of corrosion of the structure while mitigating the spread of deterioration caused by alkali-aggregate reactivity and alkali-silica reactivity.

SOLHYDSEAL 100 is a 100% active hydrophobic silane monomer solution which penetrates deep into the concrete or masonry substrate to create a hydrophobic layer within the matrix as well as on the surface. SOLHYDSEAL 100 is a single component, solvent free, low V.O.C. material which can be applied on all siliceous materials. This can be performed in a humid environment as well as in low temperatures.

- ▶ Protection of bridge and overpass structures
- ▶ Protection of ramps and bridge decks
- ▶ Protection of parking slabs
- ▶ Protection of all other concrete or masonry structures

Coverage: Best results are obtained on a concrete surface at a rate of 5.5m² / liter. Building envelopes require an application rate of 5m² / liter. Actual yield will vary depending on the porosity of the substrate. Tests are recommended. Product is available in 20 liter pails or 205 liter drums.

Packaging: 20 liter pails and 205 liter drums

SOLHYDFLEX COAT

Flexible Portland cement based, polymer modified, protective and waterproofing coating



Used as a functional or architectural coating.

SOLHYDFLEX COAT is a flexible portland cement based, polymer modified, protective and waterproofing coating. SOLHYDFLEX COAT can be applied indoors and outdoors to provide a functional or architectural barrier that will withstand negative pressure while remaining flexible. SOLHYDFLEX COAT can be applied by spray, hand trowel or bristle brush.

- ▶ Retaining walls
- ▶ Bridges and viaducs
- ▶ Tunnel lining
- ▶ Wastewater structures
- ▶ Condominium and commercial exterior façades
- ▶ Basement and concrete shower floors
- ▶ Uniformisation of surfaces after concrete repair

Coverage: We recommend a coverage rate of approx. 43 ft² per gallon (1 m²/L) per coat. Two coats are required at this coverage and will yield 70 mils dry film thickness.

Packaging: 15.2L (4 gal) units

SOLHYDFLEX

100% solids flexible epoxy membrane



Used as a flexible membrane underneath or in conjunction with SOLHYDROC concretes, toppings or coatings.

SOLHYDFLEX is a 100% solids, flexible epoxy which combines the toughness, adhesion and durability of epoxies with flexibility common to polyurethanes. Flexibility is achieved without the use of plasticizers or other additives which migrate from a material as it ages or is degraded due to environmental conditions. SOLHYDFLEX may be used with fiberglass mesh to bridge larger cracks and joints.

- ▶ Parking decks
- ▶ Primary and secondary containment
- ▶ Industrial floors
- ▶ As a membrane where substrate cracking is evident and/or anticipated
- ▶ Mechanical equipment rooms
- ▶ Wet processing areas

Coverage: 1.6m² / litre (65 sq. ft. / gallon) at a thickness of 25 mils DFT. Two coats are generally recommended.

Packaging: 37.8 L (10 gal) units

CONOFLEX URETHANE 381.61

Flexible polyurethane lining certified for contact with potable water (ANSI/NSF Standard 61)



Used as a flexible lining for various applications, including primary/secondary containment structures subject to movement and for applications including tank coatings and linings, and food processing areas (FDA & USDA compliant).

Sauereisen ConoFlex Urethane No. 381.61 is an aromatic polyurethane lining that provides excellent flexibility and impact resistance for concrete, steel, and other substrates. No. 381.61 is a chemically resistant, lining combining toughness, elongation, and low permeability with a fast cure time.

- ▶ Potable water tanks, basins and reservoirs
- ▶ Primary and secondary containment structures subjected to movement
- ▶ Food processing areas
- ▶ Fountains, aquatic parks and artificial ponds

Coverage: The typical coverage rate is 0.63m²/L (26.7 ft² per gallon) at a thickness of 1.5mm DFT (60 mils DFT).

Packaging: 15.2L or 232L units

F-370 POLYURETHANE GROUT

Catalyzed hydrophobic polyurethane liquid, certified for contact with potable water (ANSI/NSF Standard 61)



Used to stop leakage through cracked or honeycombed concrete, voids, expansion joints and pipe intrusions. Applied by injection, the grout is commonly specified to repair concrete walls, ceilings and floors. It is also recommended for use in tunnels, manholes, sewer lines, tanks, dikes, and dams. Sauereisen No. F-370 has excellent chemical resistance and may be used in a wide range of chemical environments.

Sauereisen No. F-370 is a catalyzed hydrophobic polyurethane liquid. No. F-370 expands when it meets any source of water or moisture before curing. No. F-370 adheres tenaciously to practically any substrate - wet or dry.

- ▶ Stops active leaks
- ▶ Bonds to wet or dry surfaces
- ▶ Expands to 20 times its original volume when exposed to moisture
- ▶ Chemical resistant
- ▶ Safe for potable water. Conforms to ANSI/NSF Standard 61

Coverage: Yield will be a function of the temperature of the unit injected and the percentage of the accelerator used. Estimation of material required will depend on the type of structure injected. SOLHYDROC INC. recommends contacting an approved applicator for a more precise evaluation of the quantities required.

Packaging:

Product is packaged as follows:

No. F-370: Part A - 473ml can of accelerator, Part B - 18.9L pail of resin

Additional Accelerator: 473ml cans

Injection packers: Sold in bags of 100 units

CHIMNEY SEAL No. F-88

Elastomeric lining composed of fiber reinforced, asphalt-modified urethane



Used as a chemical-resistant membrane or gasket seal for the prevention of water infiltration

Sauereisen Manhole ChimneySeal No. F-88 is an elastomeric lining composed of fiber-reinforced, asphalt-modified urethane. Manhole ChimneySeal has excellent adhesion to most substrates. As a high solids elastomer, it is recommended when movement from temperature change or other causes will be encountered. Manhole ChimneySeal maintains excellent elasticity and adhesion over a temperature range of -30°F to 250°F. The flexible barrier resists freeze/thaw stresses and movement. When subjected to mechanical stress, the lining has nearly 100% recovery. Manhole ChimneySeal also resists alkalis, salts and acid.

- ▶ Elastomeric membrane or joint sealant material for manhole chimney sections.

Coverage: 12.8 ft² (1.19 m²) at thickness of 1/8" (125 mils) per 1 gal unit.

Coverage will vary according to site conditions and substrate irregularities.

Packaging: 3.78 (1 gal) units

SUBSTRATE RESURFACE F-121

High strength substrate repair material



SubstrateResurfacer No. F-121 by Sauereisen is a high strength substrate repair material and waterproofing barrier for prevention of inflow and infiltration in concrete or brick manholes.

Coverage: 12 L (0.423 pi³) per sac.
3.7 m² (40 pi²) per bag at 3mm (1/8") thickness
1.85 m² (20 pi²) per bag at 6mm (1/4") thickness

Packaging: 22.7kg bags

Specified for municipal wastewater environments where structural integrity needs to be restored.

- ▶ Manholes
- ▶ Wet wells
- ▶ Lift and pump stations
- ▶ Subterranean structures

SEWERSEAL F-170

Calcium aluminate mortar for structural substrate repairs

Sauereisen SewerSeal No. F-170 is a high strength, corrosion-resistant cementitious resurfacing and water infiltration barrier for application in wastewater structures. It is a calcium aluminate based product that will stop water infiltration.

Coverage: Each 22.7kg (50 lb) bag when mixed with 2.3 to 2.4 L (0.60 to 0.63 gal) of clean potable water will yield 12L (0.42 ft³) and will cover approximately 1m² (11 ft²) at a thickness of 12mm (1/2").

Packaging: 22.7kg bags

SEWERGARD No. 210T

Aggregate-filled epoxy designed to protect concrete surfaces of municipal wastewater treatment structures

Sauereisen SewerGard No. 210 is an aggregate-filled epoxy material. This lining system is specifically designed to protect concrete surfaces of municipal wastewater treatment structures and collection systems from chemical attack and physical abuse. No. 210's nonsagging application properties permit economical repair and protection of vertical, horizontal and overhead surfaces of both new or rehabilitated substrates.

Coverage: 4m² per unit at 3mm thickness

Packaging:

Part A Hardener: 1.45 kg in a 3.78 L can

Part B Liquid: 4.58 kg in a 7.6 L bucket

Part C Powder: 18.14 kg plastic bags

SewerGard is specified to protect concrete and steel infrastructure against microbiologically induced corrosion (M.I.C.) throughout the municipal wastewater industry.

- ▶ Manholes
- ▶ Wet wells
- ▶ Lift and pump stations
- ▶ Wastewater treatment plants

SEWERGARD No. 210S

Fiber-filled material specifically designed to protect concrete and steel surfaces

Sauereisen SewerGard No. 210S is a fiber-filled, spray-applied material specifically designed to protect concrete and steel surfaces of municipal wastewater treatment structures from chemical attack and physical abuse. No. 210S's application properties permit economical protection of new and rehabilitated substrates.

Coverage: 8.3m² (90pi²) per unit at 60 mils thickness

Packaging: 17.4kg (38.4lb) unit:

Part A Hardener: 3.78L bucket

Part B Liquid: 22.7L bucket

SEWERGARD No. 210G

Protective coating formulated for municipal wastewater environments

Sauereisen SewerGard Glaze No. 210G is a protective coating specifically formulated for municipal wastewater environments. SewerGard Glaze provides a chemical-resistant barrier for concrete and steel.

Coverage: 1m²/L (40 pi² per gal) at 40 mils thickness

Packaging: 3.78L (1 ga) or 11.4L (3 gal) pre-measured units



SEWERGARD No. 210X

Protective lining formulated for municipal wastewater environments

Sauereisen SewerGard™ No. 210X is a protective lining specifically formulated for municipal wastewater environments. Installation by plural component spray equipment results in much higher efficiency and lower application costs for large projects. SewerGard No.210X provides a chemical-resistant barrier for concrete, masonry, brick, and steel substrates.

Coverage: 8.3m² (90pi²) per unit at 60 mils thickness

Packaging: 17.4kg (38.4lb) unit:

Part A Hardener: 3.78L bucket

Part B Liquid: 22.7L bucket



SOLHYDROC

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