SOLUTIONS FOR CONCRETE

PATCHING AND SMOOTHING
SELF-LEVELING
PRIMERS AND EMULSIFIERS
CONCRETE AND REPAIR MORTARS
S Gul CONCRETE RESURFACING
PROTECTIVE COATINGS
SPECIALTY PRODUCTS

SOLHYDROC
SOLUTIONS FOR CONCRETE

RESTORATION & FLOOR LEVELING

Patching and Smoothing
Self-Leveling
Primers and Emulsifiers
Concrete and Repair Mortars
Smooth Concrete Resurfacing
Protective Coatings
Specialty Products
Antigraffiti
Aqueous, high-performance antigraffiti treatment for concrete and more

For use on buildings, walls, sound barriers, piers, columns, bridges and other areas prone to the negative effects of graffiti.

PROTECTOSIL Antigraffiti is a patented silane-based mixture in water. It provides a clear, nearly invisible barrier against the most common graffiti products such as spray paints and markers, ink, bituminous paints, asphalt sealers, and other solvent or waterborne paints. Depending on the severity and type of graffiti as well as the cleaning method used, up to ten cleanings can be expected from each application. If needed, additional PROTECTOSIL Antigraffiti can be applied to only the affected area without a visible difference on the substrate. Because of PROTECTOSIL Antigraffiti’s superior performance, standard nonhazardous cleaners and low-pressure waterblasting are sufficient removal methods for most graffiti. These properties make the product ideal for masonry walls.

- Cast-in-place concrete and masonry
- Brick and block and natural stone
- 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

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

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 & seaport)

THE HISTORY
For almost 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 infrastructures and for commercial flooring 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.
Coatings

SOLHYDCOAT EPOXY CLEAR
Solvent-free epoxy polymer with high abrasion and chemical resistance

SOLHYDCOAT URETHANE
Two component polyurethane based coating

SOLHYDCOAT EPOXY CLEAR is a 100% solids epoxy polymer system with excellent all-around application properties. Either as a standard- or as a binder for various SOLHYDCOAT and SOLHYDCRETE systems, it provides high abrasion resistance and good chemical resistance. With no solvent present in the formula, SOLHYDCOAT EPOXY CLEAR complies by exposure to ultra-violet rays, abrasion and certain aggressive chemical products.

SOLHYDCOAT URETHANE is a two component catalyzed polyurethane based coating for interior or exterior applications with an excellent durability, good color stability, while maintaining its long term baths with a good resistance to weathering and fading.

SOLHYDCOAT URETHANE’s exceptional resistance to abrasion, to impacts and certain aggressive chemical products makes it ideal for many industrial, commercial and institutional applications.

- Excellent resistance to deterioration caused by exposure to ultra-violet rays
- Excellent resistance to wear and abrasion
- Excellent resistance to impacts
- Good chemical resistance

Spreading rate/Coverages approx.: Primer: 0.5L/m² (200 sq ft/gal) (approx. rate)
TexturedCoating Primer: 1.0L/m² (400 sq ft/gal)
Top Coat: 2.25L/m² (913 sq ft/gal)

Packaging: 11.5L units, 50 units per skid.

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 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.

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 technical service, a dedicated sales force and a most innovative technical service, a dedicated sales force and a most innovative technical service, a dedicated sales force and a most innovative technical service, a dedicated sales force and a most innovative technical service, a dedicated sales force and a most innovative technical service.

SOLHYDROC’s patching compounds enables the correction of all types of surface conditions, from minor scrapping, patching to thin smoothing of surfaces.

For a complete and overall leveling of the surface, you can also count on the SOLHYDFLOW line of self-leveling underlayments, the highest performing and easiest to apply products available on the market.

Filling & Screeding
SOLHYDROC’s line of concretes and mortars have been applied and proven on different job sites across Canada.

When repairing a wall, a floor or constructing ramps or gutters, the STRUCTUROC and SOLHYDREC line of products are specifically designed for these types of jobs, large or small.

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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.

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. 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.

You can count on SOLHYDROC products and the team behind them.
We will be there before, during and after your job in order to assist you and answer your questions.

Restoration
It is crucial to perform a good surface preparation of the substrate that will receive tiles, ceramics and other types of floor coverings. To do this effectively, SOLHYDROC proposes products and systems designed for this crucial step.

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When repairing a wall, a floor or constructing ramps or gutters, the STRUCTUROC and SOLHYDREC line of products are specifically designed for these types of jobs, large or small.
Patching and Smoothing

SOLHYDFINISH
Fast setting patching compound for thin repairs

- SOLHYDFINISH is a cement based, rapid setting, trowel applied patching compound used to smooth subfloors prior to the installation of finished floor coverings. SOLHYDFINISH has a creamy consistency, exceptional coverage, tenacious bond and can be applied very thin. SOLHYDFINISH allows for the installation of many floor coverings in as little as 25 to 30 minutes.
- Ideal for smoothing damaged, cracked, uneven concrete floors and other imperfections
- Can receive floor coverings such as vinyl tile, ceramic, carpet in as little as 25 to 30 minutes and even spray coatings 2 hours after its application
- No priming required
- Mixing with water only
- Fast setting
- Environmental friendly - contributes points to LEED Certified Projects

Spreading rate: up to 9.2m² (99ft²) per bag at a thickness of 1mm (1/32”)
Packaging: 4.5kg (10lbs) bag

SOLHYDPATCH
Fast setting polymer modified cement based patching compound

- SOLHYDPATCH is a quick setting cement based polymer modified patching compound for repairing and leveling floors prior to the installation of floor coverings. SOLHYDPATCH allows a hard, smooth, troweled surface to be easily achieved.
- Ideal for screeding, ramping, patching & skimcoating
- Ideal for filling holes, cracks, voids prior to the installation of floor coverings
- Easy to use
- Environmentally friendly - contributes points to LEED Certified Projects

Spreading rate: up to 2.12m² (22ft²) per bag at a thickness of 3mm (1/8”)
Packaging: 11.3kg (25lbs) bag

SOLHYDTOPPING
Smooth concrete resurfacer for horizontal and vertical repair

- SOLHYDTOPPING is a blend of cementitious binders, aggregates and high performance polymers that when mixed with water to a slurry consistency, produces a smooth and durable finish. SOLHYDTOPPING is an economical answer to expensive concrete replacement, correcting both horizontal and vertical concrete surfaces that are worn, spalled and discolored.
- Walkways
- Concrete stairs and risers
- Driveways
- Balconies and patios
- Durable and freeze thaw resistant
- Resistant to deicing salts
- Fluid consistency, easy to install
- Accept foot and rubber tire traffic within 12 hours

Spreading rate: covers approximately 4.0m² (42ft²) per bag at a thickness of 3mm (1/8”)
Packaging: 22.7kg (50lbs) bag
Concrete and Repair Mortars

**STRUCTUROC V**
High Strength Rapid Setting Mortar for Vertical Repairs

- Easily applied with a trowel
- Can be overcoated within 8 hours after rapid setting
- High early and ultimate compressive and flexural strength
- Tenacious bond strength
- Single component
- Parapets, columns and beams repairs
- Bridges, viaducts and tunnels

**Packaging:** 22.7kg (50lbs) bag at a thickness of 6mm (1/4") 2.0m (22ft ) per bag

**Spreading rate:** covers approximately 4.1m² (43.66 sq ft) per bag at a thickness of 6mm (1/4")

**SOLHYDFLOW FS**
Smooth and Durable Self-leveling Underlayment

- Specially designed for interior use in leveling uneven rough damaged, unfinished, frozen or rained on concrete slabs.
- Provides a smooth and even finish to existing wooden, vinyl tiles, ceramic or terrazzo floors.
- Sonders and grouting required.

**Packaging:** 22.7kg (50lbs) bag

**SOLHYDFLOW SUPREME**
Premium Smooth and Durable Self-leveling Underlayment

- Self-leveling underlayment specially designed for very thin leveling of rough, unfinished or damaged interior concrete floors.
- Provides a perfectly flat, smooth, durable surface to existing concrete, wooden, vinyl tile, ceramic or terrazzo floors.

**Packaging:** 22.7kg (50lbs) bag

All vertical or overhead repairs.

**STRUCTUROC V PLUS**
Rapid Setting Mortar for Vertical Repairs

- Easily placed and sculpted to proper shape at 5mm (1/4") when mixed with V PLUS LIQUID POLYMER
- Covers approximately 4.1m² (43.66 sq ft) per bag at a thickness of 6mm (1/4")
- Spreading rate: covers approximately 2.2m² (23.5 sq ft) per bag at a thickness of 3mm (1/8")

**Packaging:** 22.7kg (50lbs) bag of V PLUS LIQUID POLYMER

**SUHYDFLOW SUPREME**
Premium Smooth and Durable Self-leveling Underlayment

- Self-leveling underlayment specially designed for very thin leveling of rough, unfinished or damaged interior concrete floors.
- Provides a perfectly flat, smooth, durable surface to existing concrete, wooden, vinyl tile, ceramic or terrazzo floors.

**Packaging:** 22.7kg (50lbs) bag

**SPREAD RATE:** covers approximately 2.2m² (23.5 sq ft) per bag at a thickness of 3mm (1/8")

**SOLHYDFLOW FS**
Smooth and Durable Self-leveling Underlayment

- Specially designed for interior use in leveling uneven rough damaged, unfinished, frozen or rained on concrete slabs.
- Provides a smooth and even finish to existing wooden, vinyl tiles, ceramic or terrazzo floors.
- Sonders and grouting required.

**Packaging:** 22.7kg (50lbs) bag

**SOLHYDFLOW SUPREME**
Premium Smooth and Durable Self-leveling Underlayment

- Self-leveling underlayment specially designed for very thin leveling of rough, unfinished or damaged interior concrete floors.
- Provides a perfectly flat, smooth, durable surface to existing concrete, wooden, vinyl tile, ceramic or terrazzo floors.

**Packaging:** 22.7kg (50lbs) bag

**SPREAD RATE:** covers approximately 2.2m² (23.5 sq ft) per bag at a thickness of 3mm (1/8")
Self-Leveling Wear Surface

Specifically designed fast setting self-leveling wear surface for the repair and the leveling of concrete plant floors that are uneven rough damaged, unfinished, frozen or rained on concrete slabs. Specially formulated for heavy duty equipment traffic on concrete floors.

SOLHYDFLOW INDUSTRIAL® is a heavy duty self-leveling wear resistant topping that provides a flat, smooth and very durable surface with minimum effort, installation time and cost. SOLHYDFLOW INDUSTRIAL® can be poured or pumped (spreading of surface may be required) in one single lift to thicknesses ranging from 3mm (1/8”) up to 50mm (2”) in a single lift. This product can be extended with up to 50% of clean dry 10mm (3/8”) granitic or clean pea gravel aggregate to then produce a rapid setting concrete for repair.

- Deep repairs to concrete floors prior to the installation of SOLHYDFLOW self-leveling products
- Repair and creation of concrete slopes, drains and trenches
- Repair of concrete walls, bases and columns
- Meets or exceeds requirements of ASTM C928/C928M-09
- Excellent bond strength
- Freeze/thaw resistant
- Extremely resistant to wear and abrasion
- Rapid and early strength
- No bonding agent required
- Meets MTQ requirements
- Can be overcoated within 6 hours after placement

Spreading rate: covers approximately 2.0m² (22.7 ft²) per bag at a thickness of 6mm (1/4”)

Packaging: 22.7kg (50lbs) bag

Concrete and Repair Mortars

STRUCTUROC H
High Strength Rapid Setting Mortar for Horizontal Repairs

STRUCTUROC H is a rapid setting, high early strength repair mortar that produces a fast, permanent repair of concrete plant floors that are uneven rough damaged, unfinished, frozen or rained on concrete slabs. Specially formulated for heavy duty equipment traffic on concrete floors.

- Specially designed for heavy duty equipment traffic on concrete floors.
- SELF-LIGHTING and SELF-LEVELING properties without the use of a liquid or dry granitic or clean pea gravel aggregate to then produce a rapid setting concrete for repair.
- Deep repairs to concrete floors prior to the installation of SOLHYDFLOW self-leveling products
- Repair and creation of concrete slopes, drains and trenches
- Repair of concrete walls, bases and columns
- Meets or exceeds requirements of ASTM C928/C928M-09
- Excellent bond strength
- Freeze/thaw resistant
- Extremely resistant to wear and abrasion
- Rapid and early strength
- No bonding agent required
- Meets MTQ requirements
- Can be overcoated within 6 hours after placement

Spreading rate: covers approximately 1.0m² (10.8 ft²) per bag at a thickness of 6mm (1/4”)

Packaging: 22.7kg (50lbs) bag and 4.5kg (10lbs) pail
Concrete and Repair Mortars

SOLHYDROCRETE
High Strength Rapid Setting Concrete for Deep Repairs

SOLHYDROCRETE is a fast setting, high strength repair concrete that produces a rapid and permanent repair for existing damaged concrete. It is dimensional stable and forms an integral bond with the existing concrete to transmit the stresses in situations requiring high load bearing or structural integrity. It can be placed at thicknesses ranging from 13mm to 300mm in one single operation.

- Repair sloping and leveling of concrete surfaces prior to the application of SOLHYDFLOW self-leveling products
- Quick repair andturnaround of industrial floors which can be put in service in 3 hours after application
- Permanent repair of concrete
- May be placed at variable thicknesses
- Economic and easy to install
- Easily applied with a steel trowel

Spreading rate: covers approximately 1m² (11sq ft) per bag at a thickness of 12.5mm (1/2”)

Packaging: 22.7kg (50lbs) bag

Self-Leveling Wear Surface

SOLHYDFLOW DECO
Self-leveling Decorative Topping

SOLHYDFLOW DECO is a self-leveling wear surface that provides a flat, smooth, durable surface with minimum effort, installation time and cost. It can be used for decorative and industrial indoor flooring applications and can be incorporated with integral color, colored aggregates and unique surface treatments. It is a single component, high strength, non-shrink, regulated setting topping using a polymer modified binder system to level and smooth floors. SOLHYDFLOW DECO can be poured or pumped (no trowel required) in one single step to thicknesses from 6mm (1/4”) to 50mm (2”). SOLHYDFLOW DECO will accept foot traffic within 3 hours and floor treatments 16 hours after application.

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Spreading rate: covers approximately 2.0m² (22sq ft) per bag at a thickness of 6mm (1/4”)

Packaging: 22.7kg (50lbs) bag

SOLHYDFLOW DECO E
Exterior Self-leveling Decorative Topping

SOLHYDFLOW DECO E is an exterior self-leveling wear surface that provides a flat, smooth, durable surface with minimum effort, installation time and cost. It can be used for decorative and industrial indoor flooring applications and can be incorporated with integral color, colored aggregates and unique surface treatments. It is a single component, high strength, non-shrink, regulated setting topping using a polymer modified binder system to level and smooth floors. SOLHYDFLOW DECO E can be poured or pumped (no trowel required) in one single step to thicknesses from 6mm (1/4”) to 50mm (2”). SOLHYDFLOW DECO E will accept foot traffic within 3 hours and floor treatments 16 hours after application.

- Specially designed fast setting self-leveling wear surface for the repair and the levelling of concrete floors that are uneven, rough damaged, unfinished, frozen or rained on concrete slabs.
- Provides a smooth and even finish to existing wooden, vinyl tile, ceramic or terrazzo floors.

- "Pour to Floor" in as little as 12 hours
- Office and condo building floors
- Heated flooring
- Can be stained, polished and lightly grinded
- Can be coated with polyurethane or epoxy
- Economical and easy to use, mixes with water only
- Self-leveling, no trowel work required, ideal for pouring and pumping
- Installs from 6mm (1/4”) to a 50mm (2”) thickness
- Maintains workability for 25 minutes at 21°C (70°F)

Spreading rate: covers approximately 2.0m² (22sq ft) per bag at a thickness of 6mm (1/4”)

Packaging: 22.7kg (50lbs) bag

Concrete and Repair Mortars

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Self-leveling Decorative Topping

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- Permanent repair of concrete
- May be placed at variable thicknesses
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- Easily applied with a steel trowel

Spreading rate: covers approximately 2.0m² (22sq ft) per bag at a thickness of 6mm (1/4”)

Packaging: 22.7kg (50lbs) bag

SOLHYDROC
High Strength Rapid Setting Concrete for Deep Repairs

SOLHYDROC is a fast setting, high strength repair concrete that produces a rapid and permanent repair for existing damaged concrete. It is dimensional stable and forms an integral bond with the existing concrete to transmit the stresses in situations requiring high load bearing or structural integrity. It can be placed at thicknesses ranging from 13mm to 300mm in one single operation.

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- Quick repair andturnaround of industrial floors which can be put in service in 3 hours after application
- Permanent repair of concrete
- May be placed at variable thicknesses
- Economic and easy to install
- Easily applied with a steel trowel

Spreading rate: covers approximately 1m² (11sq ft) per bag at a thickness of 12.5mm (1/2”)

Packaging: 22.7kg (50lbs) bag

SOLUTIONS FOR CONCRETE

Concrete and Repair Mortars

SOLHYDROCRETE
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Self-Leveling Wear Surface

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Packaging: 22.7kg (50lbs) bag

SOLHYDFLOW DECO E
Exterior Self-leveling Decorative Topping

SOLHYDFLOW DECO E is an exterior self-leveling wear surface that provides a flat, smooth, durable surface with minimum effort, installation time and cost. It can be used for decorative and industrial indoor flooring applications and can be incorporated with integral color, colored aggregates and unique surface treatments. It is a single component, high strength, non-shrink, regulated setting topping using a polymer modified binder system to level and smooth floors. SOLHYDFLOW DECO E can be poured or pumped (no trowel required) in one single step to thicknesses from 6mm (1/4”) to 50mm (2”). SOLHYDFLOW DECO E will accept foot traffic within 3 hours and floor treatments 16 hours after application.

- Repair sloping and leveling of concrete surfaces prior to the application of SOLHYDFLOW self-leveling products
- Quick repair and turnaround of industrial floors which can be put in service in 3 hours after application
- Permanent repair of concrete
- May be placed at variable thicknesses
- Economic and easy to install
- Easily applied with a steel trowel

Spreading rate: covers approximately 2.0m² (22sq ft) per bag at a thickness of 6mm (1/4”)

Packaging: 22.7kg (50lbs) bag

Concrete and Repair Mortars

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- Repair sloping and leveling of concrete surfaces prior to the application of SOLHYDFLOW self-leveling products
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Spreading rate: covers approximately 1m² (11sq ft) per bag at a thickness of 12.5mm (1/2”)

Packaging: 22.7kg (50lbs) bag
SOLHYDFLOW PRIMER is a liquid acrylic primer and bonding agent. It is specifically designed for various substrates to receive SOLHYDFLOW self-leveling products. SOLHYDFLOW PRIMER PLUS is a premium acrylic-based bonding agent and primer. It can be used over wood, well bonded VCT/VAT, cutback and other adhesive residues not affected by water. SOLHYDFLOW PRIMER PLUS is easy to use, creates a tenacious bond to the substrate and reduces surface porosity. SOLHYDFLOW EMULSION is a high performance acrylic emulsion, bonding agent and additive. It should be used as directed in SOLHYDROC patching products, underlayments and concrete repair materials to improve the adhesion, tensile and flexural strengths when needed. The modified materials will also provide increased resistance to moisture, water, freeze/thaw and cracking.

SOLHYDFLOW EMULSION should be used as directed in SOLHYDROC patching products, underlayments and concrete repair materials to improve the adhesion, tensile and flexural strengths when needed. The modified materials will also provide increased resistance to moisture, water, freeze/thaw and cracking.

**SOLHYDFLOW PRIMER**
SOLHYDFLOW PRIMER is an acrylic base primer formulated for interior applications on wood and concrete, also can be used on masonry. SOLHYDFLOW PRIMER can be used over wood, well bonded VCT/VAT, cutback and other adhesive residues not affected by water. SOLHYDFLOW PRIMER is easy to use, creates a tenacious bond between the substrate and the self-leveling product.

**SOLHYDFLOW PRIMER PLUS**
SOLHYDFLOW PRIMER PLUS is a premium Acrylic based primer designed for interior and exterior applications on well bonded VCT/VAT, cutback and other adhesive residues not affected by water. SOLHYDFLOW PRIMER PLUS is easy to use, creates a tenacious bond to the substrate and reduces surface porosity.

**SOLHYDFLOW EMULSION**
SOLHYDFLOW EMULSION is a water-based, high solids, acrylic emulsion adixture and adhesion promoter specifically designed for use with SOLHYDROC, SOLHYDFLOW, SOLHYDCOAT, SOLHYDPRIME, and SOLHYDFLOW cement based self-leveling products. It can be used as an admix or bonding agent.

**SOLHYDFLOW PRIMER PLUS**
SOLHYDFLOW PRIMER PLUS is a premium acrylic-based bonding agent and primer. It can be used over wood, well bonded VCT/VAT, cutback and other adhesive residues not affected by water. SOLHYDFLOW PRIMER PLUS is easy to use, creates a tenacious bond to the substrate and reduces surface porosity.

**SOLHYDFLOW EMULSION**
SOLHYDFLOW EMULSION is a high performance acrylic emulsion, bonding agent and additive.

**Epoxy Primer**
SOLHYDFLOW EMULSION is used as an epoxy primer for epoxy coatings, epoxy troweled mortars, epoxy linings, flexible epoxy membrane, self-consolidating concretes and cement based self-leveling products. SOLHYDFLOW EMULSION is a 100% solids, moisture tolerant epoxy primer formulated for toughness, flexibility and repair materials to improve the adhesion, tensile and flexural strengths when needed. The modified materials will also provide increased resistance to moisture, water, freeze/thaw and cracking.
SOLUTIONS FOR CONCRETE

SOLHYDFLOW PRIMER

Liquid acrylic primer and bonding agent

SOLHYDFLOW PRIMER PLUS

Premium Acrylic based bonding agent and primer

SOLHYDFLOW EMULSION

High performance acrylic emulsion, bonding agent and additive

SOLHYDFLOW EMULSION PLUS

High performance acrylic primer, bonding agent and additive

Epoxy Primer

SOLHYDPRIME 100

High Performance Epoxy Primer

Primers and Emulsifiers

SOLHYDFLOW PRIMER is an Acrylic base primer formulated for interior applications on Standard Concrete (for very porous concrete) and epoxy floor coatings, porcelain, quarry tile, copper, lead and other non-porous substrates. SOLHYDFLOW PRIMER can be used over wood, wall bonded VCT/VAT cutbacks and other non-porous substrates not affected by water. SOLHYDFLOW PRIMER is easy to use, creates a tenacious bond between the substrate and the self-leveling product.

- Excellent adhesion
- Non-flammable, non-toxic, non-explosive
- Water based and VDC compliant
- No dangerous emissions or irritating fumes
- Will not harbor or support mold or mildew
- Easily applied with a roller

Spreading rate: covers approximately (on standard concrete) 3.8L (1 US gal) diluted 1:3 with water up to 37.2m² (400ft²) at a thickness of 1mm (1/32”)

Packaging: 18.9kg (5 US gal) pail and 3.8L (1 US gal) bottle

SOLHYDFLOW PRIMER PLUS is a premium concentrated acrylic primer designed for interior applications on Standard Concrete (for very porous concrete) and epoxy floor coatings, porcelain, quarry tile, copper, lead and other non-porous substrates. SOLHYDFLOW PRIMER PLUS is easy to use, creates a tenacious bond to the substrate and releases surface porosity.

- Excellent adhesion
- Non-flammable, non-toxic, non-explosive
- Water based and VDC compliant
- No dangerous emissions or irritating fumes
- Will not harbor or support mold or mildew
- Can be applied with a roller

Spreading rate: covers approximately (on standard concrete) 3.8L (1 US gal) diluted 1:3 with water up to 37.2m² (400ft²) at a thickness of 1mm (1/32”)

Packaging: 18.9kg (5 US gal) pail and 3.8L (1 US gal) bottle

SOLHYDFLOW EMULSION is a water based, high solids, acrylic emulsion admixture and adhesion promoter specifically designed for use after concrete has been cured. It is used to improve the adhesion, and reduces surface porosity.

- Improves overall bond strength of coating, lining, membranes, mortar and self-leveling systems
- Provides chemical resistance
- Can be used as an admix or bonding agent
- Can be used as an emulsifier performance promoter specifically designed for use with SOLHYDROC patching products, underlayments and concrete repair materials to improve the adhesion, tensile and flexural strengths when needed. The modified materials will also derive increased resistance to moisture, water, freeze / thaw and cracking.

Spreading rate: as emulsifier performance depends on the ratio of dilution (see data sheet of the product concerned). Can act as a primer. Application depends on the substrate on which it is applied.

Wood substrates: Pure (undiluted), 18m² to 23m² (200ft² to 250ft²) for each 3.8L (1 US gal)

Standard Concrete: Diluted 1:1 with clean water, 25m² to 37m² (250ft² to 400ft²) for each 3.8L (1 US gal)

Packaging: 18.9kg (5 US gal) pail and 3.8L (1 US gal) bottle
SOLHYDROCK

High Strength Rapid Setting Concrete for Deep Repairs

SOLHYDROCK is a fast setting, high strength repair concrete that produces a rapid and permanent repair for existing damaged concrete. SOLHYDROCK is permanently stable and forms an integral bond with the existing concrete to prevent the problem from recurring. SOLHYDROCK can be placed at thicknesses ranging from 13mm to 300mm in one single operation.

- Repair sloping and leveling of concrete surfaces prior to the application of SOLHYDROCK self-leveling products
- Quick repair and removal of industrial floors which can be put in service in 3 hours after application
- Permanent repair of concrete
- May be placed at variable thickness
- Economical and easy to install
- Easier applied with a steel trowel

Spreading rate: covers approximately 1m² (11ft²) per bag at a thickness of 12.5mm (1/2”)

Packaging: 22.7kg (50lbs) bag

Concrete and Repair Mortars

SOLHYDFLOW DECO

Self-levelling Decorative Topping

SOLHYDFLOW DECO is a self-levelling wear surface that provides a flat, smooth, durable surface with minimum effort, installation time and cost. It can be used for decorative and industrial indoor flooring applications and can be incorporated with integral color, colored aggregates and unique surface treatments. SOLHYDFLOW DECO is a single component, high strength, non-shrinking, regulated setting topping using a polymer modified binder system to level and smooth floors. SOLHYDFLOW DECO can be poured or pumped (no trowel required) in one single step to thicknesses from 6mm (1/4”) to 50mm (2”). SOLHYDFLOW DECO will accept foot traffic within 3 hours and floor treatments 16 hours after application.

- ‘Pour to Floor’ in as little as 12 hours
- Office and condo building floors
- Heated flooring
- Can be stained, polished and lightly grinded
- Can be coated with polyurethane or epoxy within 18 hours
- Economical and easy to use, mixes with water only
- Self-leveling, no trowel work required, ideal for pouring and pumping
- Installable from 6mm (1/4”) to a 50mm (2”) thickness
- Maintains workability for 25 minutes at 21ºC (70ºF)

Spreading rate: covers approximately 2.0m² (21ft²) per bag at a thickness of 6mm (1/4”)

Packaging: 22.7kg (50lbs) bag

Self-Leveling Wear Surface

SOLHYDFLOW DECO E

Exterior Self-levelling Decorative Topping

SOLHYDFLOW DECO E is an exterior self-levelling wear surface that provides a flat, smooth, durable surface with minimum effort, installation time and cost. It is used for decorative and industrial indoor flooring applications and can be incorporated with integral color, colored aggregates and unique surface treatments. SOLHYDFLOW DECO E is a single component, high strength, non-shrink, regulated setting topping using a polymer modified binder system to level and smooth floors. SOLHYDFLOW DECO E can be poured or pumped (no trowel required) in one single step to thicknesses from 6mm (1/4”) to 50mm (2”). SOLHYDFLOW DECO E will accept foot traffic within 3 hours and floor treatments 16 hours after application.

- “Pour to Floor” in as little as 12 hours
- Office and condo building floors
- Heated flooring
- Can be stained, polished and lightly grinded
- Can be coated with polyurethane or epoxy within 18 hours
- Economical and easy to use, mixes with water only
- Self-leveling, no trowel work required, ideal for pouring and pumping
- Installable from 6mm (1/4”) to a 50mm (2”) thickness
- Maintains workability for 20 minutes at 21ºC (70ºF)

Packaging: 22.7kg (50lbs) bag
Self-Leveling Wear Surface

SOLHYDFLOW INDUSTRIAL® is a heavy duty self-leveling wear resistant topping that provides a flat, smooth and very durable surface with minimum effort, installation time and cost. It is specifically formulated to be compatible with heavy duty industrial equipment traffic on concrete floors.

Packaging:
- 22.7kg (50lbs) bag at a thickness of 6mm (1/4")

Spreading rate:
- Covers approximately 2.0m² (22.8 ft²) per bag at a thickness of 6mm (1/4")
- Covers approximately 2.0m² (22.8 ft²) per bag at a thickness of 6mm (1/4")

- Can be overcoated within 6 hours
- Free of bonding agent required
- Not requiring any protective floating membranes
- Meets or exceeds requirements of ASTM C928/C928M-09
- Excellent bond strength
- Freeze/thaw resistant
- Extremely resistant to wear and abrasion
- Fast setting time and excellent return to service of the floor
- Yield can be increased with additional approved aggregate
- Self-leveling wear surface ideal for pouring and pumping
- Maintains workability for 25 to 35 minutes
- Rapid and early strength
- Meets MTQ requirements
- Fast setting time and excellent return to service of the floor
- Widely can be increased with additional approved aggregate

Concrete and Repair Mortars

STRUCTUROC H
High Strength Rapid Setting Mortar for Horizontal Repairs

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

STRUCTUROC H is a rapid setting, high early strength repair mortar that produces a fast, permanent repair of concrete. STRUCTUROC H is dimensionally stable, shrinkage and crack resistant 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 3mm (1/8") up to 50mm (2") in a single lift. This product can be extended with up to 50% of clean dry gravel aggregate to then produce a rapid setting concrete for repair.

- Deep repairs to concrete floors prior to the installation of SOLHYDFLOW self-leveling products
- Repair and creation of concrete slopes, drains and trenches
- Repair of concrete walls, bases and columns
- Meets or exceeds requirements of ASTM C928/C928M-09
- Excellent bond strength
- Freeze/thaw resistant
- Externally resistant to wear and abrasion
- Rapid and early strength
- No bonding agent required
- Meets MTQ requirements
- Fast setting time and excellent return to service of the floor

Spreading rate: covers approximately 2.0m² (22.8 ft²) per bag at a thickness of 6mm (1/4")

Packaging: 22.7kg (50lbs) bag and 4.5kg (10lbs) pail

STRUCTUROC H ULTRA
High Strength Rapid Setting Flowable Mortar for Horizontal Repairs

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

STRUCTUROC H ULTRA is a rapid setting, high early strength repair mortar that produces a fast, permanent repair of concrete. STRUCTUROC H ULTRA is dimensionally stable, shrinkage and crack resistant 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 (1/8") up to 50mm (2") in a single lift. This product can be extended with up to 50% of clean dry gravel aggregate to then produce a rapid setting concrete for repair.

- Deep repairs to concrete floors prior to the installation of SOLHYDFLOW self-leveling products
- Repair and creation of concrete slopes, drains and trenches
- Repair of concrete walls, bases and columns
- Repair of balconies
- Easy to pump & pour and easy to finish
- Meets or exceeds requirements of ASTM C928/C928M-09
- Excellent bond strength
- Freeze/thaw resistant
- Meets MTQ requirements
- Can be overcoated within 6 hours after placement

Spreading rate: covers approximately 2.0m² (22.8 ft²) per bag at a thickness of 6mm (1/4")

Packaging: 22.7kg (50lbs) bag and 4.5kg (10lbs) pail
Concrete and Repair Mortars

**STRUCTUROC V**
High Strength Rapid Setting Mortar for Vertical Repairs

Packaging: (1/4") 2.0m (22ft) per bag at a thickness of 6mm

Spreading rate: Easily applied with a trowel

- Can be overcoated within 8 hours after placement
- Rapid setting
- Tenacious bond strength
- Single component
- Parapets, columns and beams repairs
- Bridges, viaducts and tunnels

**STRUCTUROC V PLUS**
Rapid Setting Mortar for Vertical Repairs

Packaging: 22.7kg (50lbs) bag

Spreading rate: Covers approximately 4.1m² (45 sq ft) per bag in a thickness of 3mm (1/8")

- Covers approximately 7.9m² (85 sq ft) per bag at a thickness of 5mm (3/16")
- Not to be used as a trowel application

- Can be overcoated within 12 hours after placement
- Spreading rate: covers approximately 2.2m² (23.7 sq ft) per bag at a thickness of 3mm (1/8")
- Not to be used as a trowel application

**SOLHYDFLOW FS**
Smooth and Durable Self-leveling

Packaging: 22.7kg (50lbs) bag

Spreading rate: covers approximately 1.2m² (13 sq ft) per bag at a thickness of 3mm (1/8")

- Covers approximately 2.4m² (26 sq ft) per bag at a thickness of 6mm (1/4")
- Self-leveling underlayment specially designed for very thin leveling of rough, unfinished or damaged interior concrete floors. Provides a perfectly flat, smooth, durable surface to existing concrete, wooden, vinyl tiled, ceramic or terrazzo floors.

**SOLHYDFLOW SUPREME**
Premium Smooth and Durable Self-leveling

Packaging: 22.7kg (50lbs) bag

Spreading rate: covers approximately 1.2m² (13 sq ft) per bag at a thickness of 3mm (1/8")
**SOLHYDFINISH**

Fast setting patching compound for thin repairs

**SOLHYDPATCH**

Fast setting polymer modified cement based patching compound

**SOLHYDTOPPING**

Smooth concrete resurfacer for horizontal and vertical repair

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**Patching and Smoothing**

**SOLHYDFINISH**

- **Fast setting patching compound**
- **for thin repairs**

SOLHYDFINISH is a cement based, rapid setting, trowel applied patching compound used to smooth subfloors prior to the installation of finished floor coverings. SOLHYDFINISH has a creamy consistency, exceptional coverage, tenacious bond and can be applied very thin. SOLHYDFINISH allows for the installation of many floor coverings in as little as 25 to 30 minutes.

- Smoothing of damaged, cracked, uneven concrete floors and other imperfections
- Smoothing of small surface imperfections with thin applications of SOLHYDFINISH from 0 to 14mm (1/2") in one single operation without cracking
- Can receive floor coverings such as vinyl tile, ceramic, carpets in as little as 25 to 30 minutes and even epoxy coatings 2 hours after its application
- Can be applied over non-water soluble adhesive and properly prepared cutback residue that are sound and well adhered to substrate
- No priming required
- Mixing with water only
- Fast setting
- Exceptional coverage
- Can be retempered (mixed) without the addition of water
- Environmentally friendly - Contributes points to LEED Certified Projects

**Spreading rate:** up to 9.2m² (99ft²) per bag at a thickness of 1mm (1/32")

**Packaging:** 4.5kg (10lbs) bag

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**SOLHYDPATCH**

- **Fast setting polymer modified cement based patching compound**

SOLHYDPATCH is a quick setting cement based polymer modified patching compound for repairing and leveling floors prior to the installation of floor coverings. SOLHYDPATCH allows a hard, smooth troweled surface to be easily achieved.

- Ideal for screeding, ramping, patching & skimcoating
- Filling holes, cracks, voids prior to the installation of floor coverings
- Repairing and leveling of rough, uneven concrete and wood floor surfaces
- Easy to use
- Excellent bond to concrete
- Install floor covering in as little as 1 to 2 hours after application
- Can be applied from featheredge to 50mm (2") neat
- Can be applied over non-water soluble adhesive and properly prepared cutback residue that are sound and well adhered to substrate
- Compatible with all adhesives approved for concrete
- Excellent yield

**Spreading rate:** up to 2.12m² (22ft²) per bag at a thickness of 3mm (1/8")

**Packaging:** 11.3kg (25lbs) bag

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**SOLHYDTOPPING**

- **Smooth concrete resurfacer for horizontal and vertical repair**

SOLHYDTOPPING is a blend of cementitious binders, aggregates and high performance polymers that when mixed with water to a slurry consistency, produces a smooth and durable concrete alternative. SOLHYDTOPPING is an economical answer to expensive concrete replacement, correcting both horizontal and vertical concrete surfaces that are worn, spalled and distressed.

- Walkways
- Concrete stairs and risers
- Driveways
- Pool decks
- Balconies and patios
- Durable and freeze thaw resistant
- Resistant to deicing salts
- Mud consistent easy to install
- Accept foot and rubber tire traffic within 12 hours

**Spreading rate:** covers approximately 4.0m² (42ft²) per bag at a thickness of 3mm (1/8")

**Packaging:** 22.7kg (50lbs) bag
Coatings

SOLHYDCOAT EPOXY CLEAR
Solvent-free epoxy polymer with high abrasion and chemical resistance

SOLHYDCOAT URETHANE
Two component polyurethane based coating

SOLHYDCOAT EPOXY CLEAR is a 100% solids epoxy polymer system which can be used as a primer, smooth surface coating, textured coating, self leveling broadcast system and trowel applied system.

SOLHYDCOAT URETHANE is a two component catalyzed polyurethane based coating for interior or exterior applications with an excellent durability, good color stability, while maintaining its long term lustre with a good resistance to weathering and dulling.

You can count on SOLHYDROC products and the team behind them. We will be there before, during and after your job in order to assist you and answer your questions.

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.

Restoration
It is crucial to perform a good surface preparation of the substrate that will receive tiles, ceramics and other types of floor coverings. To do this effectively, SOLHYDROC proposes products and systems designed for this crucial step.

Filling & Screeding
SOLHYDROC’s line of concretes and mortars have been applied and proven on different jobsites across Canada. SOLHYDROC’s line of concretes and mortars have been applied and proven on different jobsites across Canada. When repairing a wall, a floor or constructing ramps or gutters, the SOLHYDROC line of products are specifically designed for these types of jobs, large or small.

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.

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. 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 HISTORY

For almost two decades now, Solhydroc’s products for concrete have been used on construction job sites 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 repair of highway infrastructures and for commercial flooring by concrete repair professionals.

Solhydroc has built its reputation on providing efficient 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.