

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.

USES

Thin coating and smoothing of floors to accept various floor coverings.

TYPICAL USES:

- Preparation of subfloors
- Concrete, wood, ceramic and vinyl floors (prior to the installation of floor coverings)
- Smoothing of damaged, cracked, uneven concrete floors and other imperfections
- Smoothing of small surface imperfections with thin applications of **SOLHYDFINISH** from 0 to 14 mm (1/2") in one single operation without cracking
- Can be applied over non-water soluble adhesive and properly prepared cutback residue that are sound and well adhered to substrate

PRODUCT FEATURES

- No Priming required
- Tenacious adhesion to concrete
- Fast setting
- Non-shrink
- Easy to use
- 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
- Exceptional coverage
- Can be retempered (mixed) without the addition of water
- Cost effective
- Will not harbor or support mold or mildew
- No dangerous emissions or irritating fumes
- Environmentally friendly - Contributes points to LEED Certified Projects

SURFACE PREPARATION

CONCRETE & NON-POROUS SUBSTRATES

Surface must be dry, sound, clean, free of oil, wax, sealers, asphalt, paint, dirt, gypsum or latex patches, urethanes, adhesives, loose material and any contaminate that may act as a bond breaker. Weak surfaces must be cleaned by mechanical means such as chipping, shot-blasting or grinding. Never use acid, chemical cleaners or mastic removers on any surface to which a **SOLHYDROC** product will be applied. Remove any dust with a vacuum cleaner before installing the product. Non-Porous surfaces must be abraded to a dull finish. All surfaces must be minimum 10°C (50°F).

Note: SOLHYDFINISH is not a vapor barrier and will allow the free passage of moisture. Always follow the guidelines of the Finished Flooring Manufacturer concerning maximum allowable subfloor RH (Relative Humidity) per ASTM F2170 and MVER (Moisture Vapor Emission Rate) per ASTM F1869. If level exceeds these limitations, use a proper moisture vapor inhibitor before applying **SOLHYDFINISH**.

ADHESIVE RESIDUE

SOLHYDFINISH can be installed over thin (translucent) sound, non-water soluble adhesives that are free of tack and well bonded to the substrate. The adhesive (cutback) needs to be a prepared using the wet scrape method as outlined in the Resilient Floor Covering Institute booklet "Recommended Work Practices for the Removal of Resilient Floor Coverings". Remove all existing patching materials below the adhesive. If adhesive interaction, migration or staining are a concern install an approved **SOLHYDROC** selfleveling underlayment.

MATERIAL PHYSICAL PROPERTIES @ 21°C (70°F)

COMPRESSIVE STRENGTH ASTM C109-93 2" (50 MM) CUBES

24 hours	14,0 MPa	2000 psi
7 days	20,0 MPa	2900 psi
28 days	32,0 MPa	4600 psi

HARDENING

Working time	25 minutes ou 20 à 25 minutes
Initial set time ASTM C191	45 minutes ou 25 à 30 minutes
Final set time ASTM C191	55 minutes ou 35 minutes

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SURFACE PREPARATION (cont'd)

WOOD SUBSTRATES

3/4" tongue and groove exterior APA rated Type1 plywood, OSB or other flooring manufacturer approved underlayment.

Surface must be clean, free of varnish, paint, adhesives, patching compounds or any contaminant that interferes with bond. If needed, sand down to bare clean wood. Any moving boards must be secured with deck screws. Subfloor must be free of deflection (min. 1/360), considering both live and dead loads.

PRIMING

STANDARD ROUGH ABSORBENT CONCRETE

No primer required.

GYPSUM UNDERLAYMENTS

For existing gypsum underlayments (Gyp-Crete®) apply **SOLHYDFINISH** as follow: first thoroughly sand and vacuum the existing gypsum underlayment, then apply 1 coat of **SOLHYDFLOW PRIMER PLUS**. This primer should be diluted 1 part primer with 3 parts water. Pour it out and disperse liberally with a soft exploded tip broom allowing it to penetrate the gypsum substrate. Finish by continuing to broom out to a thin film, leaving no puddles or bare spots. Allow primer to dry for 2 hours minimum to 24 hours maximum before applying **SOLHYDFINISH**.

Note: **SOLHYDFINISH** application will provide a sound surface for flooring to bond to, but it will not change the integrity of the gypsum underlayment. If more substantial remedial work is needed use **SOLHYDFLOW G-SL** (contact your **SOLHYDROC** local representative for more information).

Epoxy Coatings: Abrade and profile the epoxy surface, clean thoroughly and apply 1 thin coat of **SOLHYDFLOW PRIMER PLUS** neat using a 5 mm (1/4") short nap roller. Leave no bare spots or puddles and allow the primer to dry completely (2 hours minimum to 24 hours maximum).

Lead, Copper & Aluminum: Properly prepare and clean the surface and then apply 1 thin coat of **SOLHYDFLOW PRIMER PLUS** neat using a 5 mm (1/4") short nap roller. Leave no bare spots or puddles and allow the primer to dry for (2 hours minimum to 24 hours maximum).

Steel: Contact **SOLHYDROC INC.** for job specific application procedures.

ESTIMATING/YIELD

One 4.5 kg (10 lbs) bag mixed with 2.1 L to 2.4 L of clean potable water (i.e., 1 part water to 2 parts powder) will cover approximately 2.7 m² to 3.2 m² at an average thickness of 3 mm.

Coverage: Per 4.5 kg (10 lbs) bag.

<i>Nominal Thickness</i>	<i>Approximate Coverage</i>
1 mm (1/32")	9.2 m ² (99.0ft ²)
3 mm (1/8")	3.0 m ² (32.0ft ²)
6 mm (1/4")	1.5 m ² (16.0ft ²)

PRECAUTIONS/RESTRICTIONS

- Do not use **SOLHYDFINISH** to fill expansion joints
- Do not use on a surface which will be exposed
- Needs to be covered
- For interior use only

PRODUCT MIXING

Mix the amount of **SOLHYDFINISH** that can be placed within 15 minutes at 21°C (70°F). Higher temperatures will shorten working time and cooler temperatures will prolong it. Place approximately 1 part of clean potable cool water into a container and add 2 parts **SOLHYDFINISH**, mix to a lump free consistency. A **SOLHYDROC** mixing wand and a small drill will result in a better consistency and save time.

Smaller quantities can be mixed by hand.

PRODUCT APPLICATION

Use a steel finishing trowel when applying **SOLHYDFINISH** to a properly prepared substrate, forcing the material into all voids. There is no minimum thickness required. **SOLHYDFINISH** can be applied from feather edge up to 1/2" in a single lift and to any thickness in small well defined areas.

APPLICATION NOTES

Cooler temperatures, high humidity and inadequate ventilation can extend drying times.

APPLICATION TEMPERATURE RANGE

Surfaces and materials are to be applied between 10°C to 35°C (50°F to 95°F).

Note: Above 30°C (85°F) ask for **SOLHYDROC** Hot Weather Application Guidelines.

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CURING

No curing required. **SOLHYDFINISH** will accept standard floor coverings such as VCT, vinyl sheet goods, tile and carpeting in as little as 15 to 20 minutes. When using moisture sensitive adhesives such as urethanes and epoxies, wait 16 hours.

PACKAGING

SOLHYDFINISH	4.5 kg (10 lbs) bag Qty: 240 per pallet 4.5 kg (10 lbs) pail Qty: 100 per pallet
SOLHYDFLOW PRIMER PLUS	18.9 L pail (5 US gal) 3.8 L (1 US gal) unit Qty: 4 units per case

RECOMMENDED TOOLS

The following tools will assure a cost effective, satisfactory installation:

- Steel trowels
- Mixing drill with a mixing wand
- 5 mm (1/4") short nap roller

CLEANING

Use water to clean all tools immediately after use.

STORAGE

SOLHYDFINISH:	Store in a cool and dry area Shelf Life: 6 month (if unopened)
SOLHYDFLOW PRIMER PLUS:	Avoid freezing

SECURITY

See Material Safety Data Sheet. Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water. Avoid breathing dust.

ELIGIBLE LEED® credit: 3

Regional Materials (MR 5.1 & 5.2)
2 Points
Low Emitting Materials (EQ 4.1)
1 Point

SOLHYDROC WARRANTS that the product conforms to its chemical description and is reasonably fit for the purpose stated on its Technical Bulletin when used in accordance with its directions. SOLHYDROC makes NO OTHER WARRANTY either expressed or implied. Buyer assumes all risk in handling.

For Professional Use Only

www.solhydroc.com