

DESCRIPTION

Finpro GP is a general-purpose low viscosity floor priming and structural binding resin used in the repair of damaged or substandard concrete substrates. This product can be used for priming and resurfacing of floors prior to overcoating, or in combination with Finpro Cast Aggregates to produce trowel on epoxy mortars and structural repairs.

USES

- Priming concrete surfaces
- Patching of floor and wall surfaces
- Floor build up and falls to drains
- Repair of expansion joints
- Coving and bunding

FEATURES AND BENEFITS

- High compressive strength
- Chemical resistant
- Versatile uses
- Can be used as primer, binder or sealer
- Compatible with Finpro coating range

TYPICAL PROPERTIES

Pot life (18L Kit) 25°C	20 Minutes
Mix Ratio (by Volume) Resin: Hardener	2:1
Recoating window	8-24 hours at 25°C
Tack free time	8 hours
Application temperature	+5°C to +30°C
Service temperature	Up to 60°C
Compressive strength	70 MPa (2:1) quartz mortar

APPLICATION GUIDELINES

Surface Preparation

The substrate must be sound, clean and dry to ensure optimal adhesion between floor coating and substrate. Remove surface laitance, contaminants, existing coatings and curing compounds via light grit-blasting or grinding to ensure suitable surface profile (CSP 3) has been achieved. Prior to application the surface must be free of dust and other debris. New concrete must be cured for 28 days prior to application.

Mixing

Using an electrical low speed (400rpm) mechanical mixer, pre-mix Part A until homogenous. Add the Part B (Hardener) to Part A (Base) and mechanically mix for 2 minutes, scrape down sides of vessel so no unmixed material remains and stir for further 2 minutes.

Gradually add kiln dried aggregate at a rate of 1 part Finpro GP to 1 - 3 parts filler (by volume) and mix thoroughly, ensuring to agitate all parts of the mixture. Scrape the sides of the vessel and continue to mix until all components are combined.

Sealer Application

Finpro GP can also be used for grouting, concrete resurfacing, concrete re-levelling, anti-slip topping and can be applied within 20 mins of mixing and extended work time dependent on the addition of aggregate.

Grouting

This method is by adding aggregate at a mix ratio of between 1:1 to 1:3 by volume to Finpro GP. For larger voids and holes, the addition of larger aggregate may also be added.

Concrete Resurfacing

Mix 1kg of Finpro GP with 1-2 Kg of fine aggregate or silica flour and apply across the surface as a 'scratch coat' with a flat trowel. This application is an effective way of fine filling and reinstating surface integrity prior to application of a high build epoxy coat such as Finpro EP HS.

Levelling and building up concrete surfaces

For high build-up of floor levels and creation of falls, mix 1 part of Finpro GP to 7-9 parts of coarse grit aggregate. Priming of the surface before the installation is required. Install epoxy mortar mix to the desired thickness and allow to cure. Once cured, apply a heavy top coat of Finpro GP to seal the mortar surface and apply as chemically resistant protective coating such as Finpro EP HS.

Anti-Slip Topping

Install the flowable mixture of Finpro GP and fine grade aggregate over the surface and then broadcast with additional coarse aggregate that achieves the desired surface profile. After cure, sweep and remove the excess dry aggregate prior to application of with Finpro EP HS in desired colour. Ensure to prepare existing construction and saw cut joints with a diamond blade and install a suitable jointing sealer.

Non slip flooring performance

In environments of heavy traffic movement, the use of Finpro AD Aluminium Oxide aggregates should be used in place of quartz aggregate as it will resist damage and provide longer term performance of the slip resistant floor finish.

Application conditions

Conditions that arise that are not considered normal an evaluation of suitability of the product for the application should be considered. They include but are not limited to:

- Surfaces being subjected to hydrostatic pressure will have a high chance of failure of bond to the substrate
- Atmospheric conditions during curing including cold conditions (<10°C) or humid conditions (>80% humidity) will affect the initial cure of the product or lead to blushing of the surface.
- Severe or unusual exposure to chemicals outside of expected limitations of the product
- Cleaning procedures need to be assessed as spills of strong acids or incompatible cleaning agents will result in discolouration of the surface

If guidance is required, please contact a VULK representative for advice.

ESTIMATING DATA

- 1L of Finpro GP with 1L of kiln dried aggregate makes a total of 1.6L of mortar
- 1L of Finpro GP with 3L of kiln dried aggregate makes a total of 3L of mortar
- 1L of Finpro GP with 5L of kiln dried aggregate makes a total of 4L of mortar

CLEAN UP

Finpro GP comes in pre-packaged 18L kits. Large kit sizes available on request.

PACKAGING

Finpro GP comes in pre-package 18L kits.

SHELF LIFE

1 year in unopened, factory sealed container. Safely stored at temperatures between 5°C-35°C.

SAFETY PRECAUTIONS

Always wear adequate personal protection during use including gloves, eye protection, overalls and appropriate mask. Apply in adequate ventilation. Refer to Material Safety Data Sheet for further safety information.

DISCLAIMER / STATEMENT OF RESPONSIBILITY

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