

FINPRO PU WB



DESCRIPTION

Finpro PU WB is a clear high-build two component polyurethane coating that provides long-term concrete protection for internal and external applications.

Finpro PU WB provides concrete a durable, UV stable and hardwearing surface. This system is low VOC and fast hardening for little to no downtime.

USES

- Retail
- Restaurants
- Supermarkets
- Decorative polished concrete
- Building facades
- Workshops
- Residential
- Commercial buildings
- Industrial floors

FEATURES AND BENEFITS

- Easy to apply
- Fast hardening
- UV stable and non-yellowing
- Excellent scratch resistance
- Low VOC
- Re-coatable
- Good chemical and stain resistance
- Available in Gloss or Matt finish

TYPICAL PROPERTIES

Solids Content	40% undiluted
Pot life (9L kit) 25°C	1 Hour
Mix Ratio (by Volume) Resin: Hardener	4:1
Recoating window	16-24 hours at 25°C
Tack free time	12 hours
Cure Time	24hrs – light traffic - 7 days full cure
Film thickness per coat	40µm @ 10m ² /L
Set to touch	45-60 minutes at 25°C (depends on air flow)
UV Resistance	Excellent
Weathering resistance	Excellent

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 2) has been achieved.

Prior to application the surface must be free of dust and other debris. To mechanically prepared concrete, it is recommended that the surface be primed with Finpro EP WB 30.

Repair imperfections such as holes and cracks where necessary. New concrete must be cured for 28 days prior to application.

Mixing

Using an electrical low speed (400rpm) mechanical mixer, premix 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. Leave to stand for 2-5 minutes before application for best results. Mix only the required amount that is needed based on the pot life of the product (dependant on climatic conditions). To extend pot life place mixed product in smaller buckets or trays.

Do not apply mixed material that is unused after 2 hours.

Sealer Application

Finpro PU WB can be applied by roller, squeegee or airless spray within 1 hour of mixing:

Up to 10% water may be added to the first coat to aid ease of application. Second coat should be applied without dilution.

Roller/Squeegee

This method is compatible with Finpro PU WB, allowing application of even coats of mixed material to the prepared surface. Use a high-quality short nap roller for roller application and back-rolling.

Airless spray

Professional applicators are recommended to apply using standard airless spray equipment such as Graco 30:1 (0.43-0.53mm tip) with air supply of 80-100psi.

Assess the application area so that a fixed volume of mixed material can be applied over a fixed area to determine the correct application rate.

For Smooth Finish

- Apply First Coat of Finpro PU WB at a coverage of 10 sqm per litre.
- Apply Second Coat of Finpro PU WB at a coverage of 10 sqm per litre.

LIMITATIONS

To ensure a uniform result, use components with identical batch numbers in the one application area.

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
- Substandard or porous concrete leading to excessive absorbency of the product
- 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
- Water based products requires the water in the formulation to evaporate as part of the curing process so humidity ranges while curing must be considered
- 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

Typical coverage rates are 10m² per litre (40µm DFT)

VOC COMPLIANCE

Low VOC <50g/L

CLEAN UP

Use water for cleaning of tools and equipment before the mixed compound has hardened.

PACKAGING

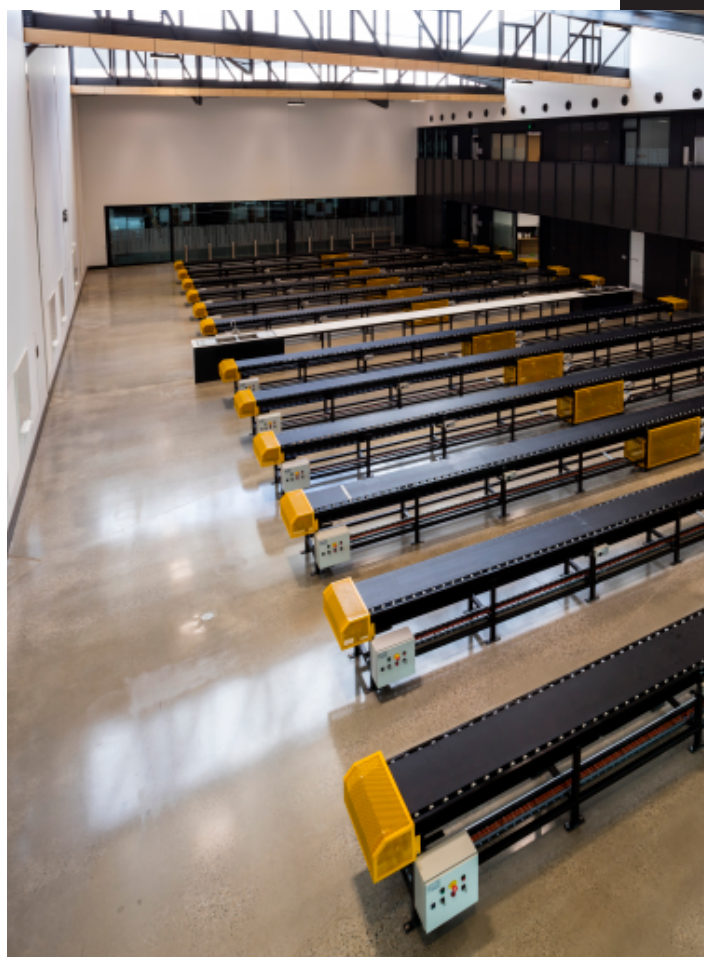
Finpro PU WB comes in pre-packaged 9L and 18L kits.

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 (SDS) for further safety information.



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