

FINPRO PU HD



DESCRIPTION

Finpro PU HD is a pigmented, high build, UV resistant two-pack polyurethane coating designed to be used for wide range of substrates such as concrete, screeds, and epoxy resin systems. This superior product provides hard wearing, durable and abrasion resistant seal coat while exhibiting excellent gloss and colour retention in severe industrial and marine environments.

Finpro PU HD is an excellent solution for projects that require excellent gloss and colour retention due to exterior exposure. The product provides chemical resistance to solvent, acid and alkalis, is hardwearing and assists in reducing tyre noise when exposed to vehicular traffic environments.

USES

- Warehouses
- External decks
- Plant rooms
- Workshops
- Carparks
- Retail
- Supermarkets
- Building facades
- Industrial and Marine

FEATURES AND BENEFITS

- Easy to apply
- Fast hardening
- UV stable and colour retention
- Re-coatable
- Good chemical and abrasion resistance
- Superior gloss
- Durable in extreme environments

TYPICAL PROPERTIES

Solids Content	70%
Pot life (9L kit) 25°C	2 hours
Mix Ratio (by Volume)	4:1
Resin: Hardener	
Recoating window	16-24 hours at 25°C
Tack free time	4 hours @ 25°C
Cure Time	24hrs – light traffic - 7 days full cure
Film thickness per coat	100µm @ 7m ² /L
Set to touch	45-60 minutes at 25°C (depends on air flow)
UV Resistance	Excellent
Weathering resistance	Excellent
Weathering resistance	Good

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.

New concrete must be cured for 28 days prior to application. Repair

imperfections such as holes and cracks where necessary. 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 HS.

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 HD can be applied by roller, squeegee or airless spray within 1 hour of mixing.

Roller/Squeegee

This method is compatible with Finpro PU HD, 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 45:1 (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

Prime surface with a first coat of Finpro EP HS.

- Apply First Coat of Finpro PU HD at a coverage of 6 to 7 sqm per litre.
- Apply Second Coat of Finpro PU HD at a coverage of 7 sqm per litre.

For broadcast Non-Slip Finish

- Apply First Coat of Finpro PU HD at a coverage of 6 to 7 sqm per litre.
- Broadcast selected Finpro AD Aggregate while the first coat is wet and let it cure overnight. Grit aggregate size depends on the grading requirement.
- Sweep off and remove loose aggregate.
- Apply Second Coat of Finpro PU HD at a coverage of 5 to 6 sqm per litre.

Aggregate size will dictate the level of slip resistance.

See table on next page for guidance on range of slip resistance by medium. Slip resistance according to Standards Australia handbook HB198:2014.

Classification	BPN Range	Recommended addition of aggregate to achieve slip resistance
P5	>54	Broadcast 30/60# grit aggregate to rejection to initial coat then overcoating
P4	45-54	Addition of 80# white alumina oxide at rate of 30g/L

LIMITATIONS

To ensure a uniform colour, use components with identical batch numbers in 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
- 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 7m² per litre (100µm DFT)

VOC COMPLIANCE

Low VOC <250g/L

CLEAN UP

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

PACKAGING

Finpro PU HD comes in pre-packaged 9L kits. Available in selected AS2700 colours.

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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