

POLYURETHANE ENAMEL

Technical Product Data.



Single pack polyurethane-alkyd based coating with good abrasion resistance. For interior and exterior applications.

AREAS OF USE.








- Medium traffic walkways.
- Light industrial floors.
- Domestic interior and exterior floors.
- Walls in high soiling areas.
- Primed wooden doors. Door frames, window frames.
- Primed metal railings.

ADVANTAGES.



- Tough and hard-wearing.
- Interior and exterior applications.
- Highly washable.
- Can be catalysed for additional hardness and abrasion resistance where necessary.
- Can be applied to a number of suitably primed substrates.
- Approved for safe use by the wine industry.

PRODUCT INFORMATION.

 Appearance: Mild sheen smooth finish.	 Colours: White, black and standard oxide shades. Can be tinted.
 Mass Solids: +- 50%.	 Flash Point: 35 degrees Celsius.
 Theoretical DFT per coat: 38 microns per coat.	 Recommended Spread Rate: 8-10m ² /litre per coat.
 Viscosity at 25° Celsius: 140-160g Krebs Stormer.	Note: Practical spread rate will vary dependant on the application method and profile and porosity of the substrate.

APPLICATION DETAILS.

Mixing of product: Stir thoroughly with a flat paddle before and during application.

Method of application: Apply with a good-quality brush or mohair roller.

Substrate: Ensure that the substrate is clean, dry (moisture level below 15%) and suitably primed before application. Application to floors or walkways without DPC will result in delamination of the coating.

Dilution: Product can be thinned using mineral turpentine if required up to 10% for first coat and 5% for subsequent coats.

Cleaning of application equipment: Mineral turpentine immediately after use.

Application temperatures: Only apply the product at temperatures between 8 and 30 degrees Celsius.

Application humidity: Only apply the product when humidity is between 10 and 85%.

Drying time: Dependant on environmental conditions but typically touch dry at 6 hours.

APPLICATION DETAILS.

- **Over-coating time:** Best practice is to allow overnight drying between coats, but can be over-coated after 8 hours.
- Apply a minimum of 2 topcoats **WeatherPrufe Polyurethane Enamel** to all prepared substrates allowing overnight drying between coats. Floors, particularly in higher traffic areas should receive 3 topcoats. With the option of catalysing the 3rd topcoat with **WeatherPrufe Enamel Activator**.

SURFACE PREPARATION.

Only apply to clean, dry (moisture content below 15%) and sound substrate.

- **Uncoated timber:** Sand down to a smooth finish. Remove sanding dust, apply **WeatherPrufe Wood Primer**.
- **Previously coated timber:** Sand down to an even matt finish. Remove dust. Apply **WeatherPrufe Wood Primer** to exposed timber.
- **Uncoated metal substrates:** Clean with **WeatherPrufe Tornado Degreaser** if required. Sand or scour rusted areas to a bright metal finish. Prime with two coats **WeatherPrufe Etch Primer** allowing 4 hours drying time between coats.
- **Previously coated metal surfaces:** Remove loose or peeling paint. Sand down rusted areas to a bright metal. Spot-prime exposed metal with two coats **WeatherPrufe Etch Primer**, allowing 4 hours drying time between coat.
- **Undercoated plastered or skimmed walls:** Prime walls with one coat of **WeatherPrufe Plaster Primer** and allow to dry.
- **Previously painted walls:** Remove any loose paint. Spot-prime exposed cement with one coat of **WeatherPrufe Plaster Primer** and allow to dry overnight.

- **Floors:** Ensure that the surface to be coated is clean and dry (<15% moisture). Ensure that DPC is installed below the slab where applicable. Previously uncoated power floated or smooth floors must be sanded to an even profile resembling 80-grit sand paper.
- On porous and friable substrates, prime with one coat **WeatherPrufe Plaster Primer** and allow to dry overnight.
- On firm substrates, dilute the first coat of **WeatherPrufe Polyurethane Enamel** up to 10% with mineral turpentine and allow to dry overnight.
- **Allow at least 72 hours before allowing vehicular traffic on floors and garages so that full cure can be achieved.**

AREAS OF APPLICATION.

- Coating of primed wood, metal and cement substrates where good abrasion and chemical resistance is required.

SAFETY PRECAUTIONS

Refer to Safety Data Sheet for full Safety information.



1L

5L

20L