



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. Flexible, yet non-tacky film.
- Highly washable.
- High UV-resistance for exterior applications. 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:**
8-10m²/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 application.
- **Method of application:** Apply with a good-quality brush, block brush or 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 diluted 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%.
- **Storage:** Store in a cool, dry area above freezing, out of direct sunlight, and off the floor.

APPLICATION DETAILS (continued).

- **Drying time:** Dependant on environmental conditions, but typically touch-dry after 6 hours.
- **Over-coating time:** Best practice is to allow overnight drying between coats, but can be over-coated after 6-8 hours.
- **Coats:** Apply a minimum of 2 topcoats of **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 of **WeatherPrufe Etch Primer**.
- Allow 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 of **WeatherPrufe Etch Primer**.
- Allow 4 hours drying time between coats.

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 sandpaper.

On porous and friable substrates:

- Prime with one coat of **WeatherPrufe Plaster Primer**. 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 4-7 days before allowing vehicular traffic on floors and garages so that full cure can be achieved.**

Contact the manufacturer for detailed specifications.

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SAFETY PRECAUTIONS

Refer to MSDS for full Safety information.

