

POWER EPOXY FLOWCOAT SL

Self Leveling Epoxy Floor



PRODUCT DESCRIPTION

Power Epoxy Flowcoat SL is a heavy duty epoxy resin floor finish providing a smooth, easily cleaned surface with excellent resistance to chemicals.

The smooth finish is obtained by finishing and smoothing the surface with a specially designed Power spiked roller. The incorporation of abrasion resistant fillers in the epoxy resin produces a floor finish with the highest order of wear resistance.

COVERAGE RATES

Power Epoxy Flowcoat SL

Nominal

Thickness 2 - 3mm

Coverage 1 m²/5.4 kg

PowerPrimer to prime at 5 m²/kg.

Power Epoxy Flowcoat SL at coverage rates as above.

COMPOSITION

3 pack solvent free epoxy resin and graded quartz aggregates.

APPEARANCE

Smooth gloss colored finish.

DURABILITY

Power Epoxy Flowcoat SL exhibits the highest order of abrasion resistance.

THICKNESS

Power Epoxy Flowcoat SL It could also be placed in 3 mm and 4 mm thickness.

TYPICAL INSTALLATIONS

- **Manufacturing plants.**
- **Kitchens**
- **Chemicals processing**
- **Food processing.**
- **Schools**
- **Hospitals**
- **Restaurants**
- **Rest Rooms**
- **Lobbies**
- **Pharmaceuticals**
- **Research Labs.**

SUBSTRATES

Power Epoxy Flowcoat SL adheres well to concrete and grano.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from

Power resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference.

APPLICATION CONDITIONS

Power Epoxy Flowcoat SL is a free flowing liquid which increases in viscosity as the temperature lowers, to ensure optimum finish an ambient temperature in excess of 10°C should be provided. Ideal application temperatures 25°C.

PRIMING

Power Primer at 125g/m². Allow to cure prior to application

MIXING

The use of a rotary drum mixer is essential to produce a smooth even finish. Mix the resin and hardener units together thoroughly for at least 60 seconds until even colored. Then add the Power Epoxy Flowcoat aggregate slowly whilst mixing at the same time. Allow to mix for further 3 minutes.

APPLICATION TECHNIQUE

Spread the mixed Power Epoxy Flowcoat required thickness using a trowel and level using an Power spiked roller. Depending on the temperature it may be necessary to use the spiked roller after 15-30 minutes to ensure that all the air has been released.

MAINTENANCE

Providing contamination is not allowed to build up, regular scrubbing and mopping will maintain Power Epoxy Flowcoat floors satisfactorily. Power Epoxy floors may be polished back to the original gloss in exactly the same way as vinyl or lino.

HEALTH & SAFETY

Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference.



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TECHNICAL ADVICE

For further information on this or any other Ultra product, please contact our customer Service.

Chemical Resistance

Excellent chemical resistance.

| | |
|------------------------------------|----------------|
| Acetic Acid, 10%..... | excellent |
| Acetone | non-resistance |
| Alkali's | excellent |
| Ammonia ...10%..... | excellent |
| Battery Acid | good |
| Beer..... | excellent |
| Bleach..... | excellent |
| Brake Fluid..... | good |
| Butanol | good |
| Citric acid | excellent |
| Diesel Fuel..... | excellent |
| Ethanol | poor |
| Ethylene Glycol..... | excellent |
| Gasoline..... | excellent |
| Hydraulic Oil..... | excellent |
| Hydrochloric Acid, 50% | excellent |
| Industrial Methylated spirits..... | good |
| Lactic acid 10% | Excellent |
| MEK..... | excellent |
| Methylene Chloride | poor |
| MIBK | poor |
| Nitric Acid, 25% | Good |
| Oil | excellent |
| Power Steering Fluid..... | excellent |
| Phosphoric Acid, 50%..... | Good |
| Skydrol | good |
| Sodium Hydroxide 50%..... | excellent |
| Sulphuric acid..... 80% | excellent |
| Transmission Fluid..... | excellent |
| Toluene..... | good |
| Urine..... | excellent |
| Xylene..... | excellent |

STORAGE

Avoid to place direct to sun light and always store in shady areas.

TECHNICAL DATA

Compressive Strength 55 N/mm² @ 35°C.
ASTM C-109 1 day 6,200 psi 28 days 13,000 psi (89.7 N/mm²)

Flexural Strength 32 N/mm²
Slant Shear Bond 29 Strength N/mm²
Density 2.0

Elastic Modulus 3 kN/mm²

Abrasion resistance

Taber abrader with a H22 wheel 1kg load

Revolutions: 100 Weight losses: 0.08g

Thermal Cycle 14 days 40°C at 100°C @ 24 hour cycle. Showed no de-bonding or stress

Ease of decontamination to BS4247: "Excellent" Part 1 Test A

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