

PR Solvent Free Epoxy Coating (High Build)

A two-component, solvent-free, general purpose, pigmented epoxy high build coating.

PR Solvent Free Epoxy Coating (High Build) is designed to provide a hardwearing, gloss-finish coating on primed concrete, cement and other substrates.

Advantages

- *Solvent free, low odour and suited to use in the food industry*
- *Hygienic, provides an easy to clean, dust free surface*
- *Good chemical and wear resistance*
- *Hard wearing, good abrasion resistance withstands foot and light vehicular traffic*
- *Available in a wide range of colours*

Standard Colours

				
White RAL 9016	Very Light Grey RAL 9002	Light Grey RAL 7038	Mid Grey RAL 7037	Blue Grey RAL 7040
				
Dark Grey RAL 7031	Brick Red RAL 3011	Cherry Red RAL 3003	Buff RAL 1002	Yellow RAL 1028
				
Bright Green RAL 6024	Racing Green RAL 6002	Bright Blue RAL 5009	Blue RAL 5023	Black RAL 9017

Please note: RAL colour references are given as a guide only. Samples are available on request. For porous surfaces, very light colours and pastel shades may require extra coats. Other colours are available on request, however an extra charge will apply depending on requirement. Minimum order quantity must be at least 20 units.

Technical Data

Packaging (Unit Size/s)

5.00 kg

Approx coverage

0.25 kg / m²

Dry film thickness

150 – 200 microns

Specific gravity

1.30 – 1.40 (A+B)

Min. application temperature

5°C

Usable time (1.0 kg mix)

60 minutes

Shelf life

12 months

Storage temperature

5°C – 35°C

Chemical resistance

Resistant to a very wide range of chemicals, however we recommend that any specific chemical resistance properties should be cleared with our Technical Department before use.

Light traffic

24 hours

Full traffic

48 – 72 hours

Full chemical cure

7 days

The typical physical properties given above are derived from testing in a controlled laboratory environment at 20°C. Results derived from testing field applied samples may vary dependent upon site conditions.

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Application Guidelines

Substrate Preparation

New concrete should be at least 21 – 28 days old or the moisture content less than 5%. The substrate should be clean, free from laitance, oil, grease or other agents, which may impair adhesion.

Techniques should include (depending on degree of contamination) acid etching, light mechanical scabbling, blasting, grinding or degreasing. All residues must be removed to provide a dust free, open textured surface.

Priming

Priming is especially recommended on surfaces, which are very porous. Low viscosity primer should be used, as this will provide maximum adhesion.

Primer should be mixed in the proportions supplied, add the entire contents of Curing Agent Component B into the Epoxy Resin Component A, when thoroughly mixed, preferably using a slow speed drill, the primer should be applied in a thin, continuous film using a roller or brush. Work the primer well into the surface of the concrete taking care to avoid puddling or over application.

Please note very porous substrates may require two coats of primer.

Mixing

Add the full contents of Curing Agent Component B to the contents of Epoxy Resin Component A and mix thoroughly until an even colour is obtained.

Application

Apply by brush or roller; re-coating should take place as soon as possible to achieve good intercoat adhesion properties, preferably on the following day. If more than one day elapses between coats, abrade the surface lightly (with glass paper) before re-coating. We would normally recommend two coats for long-term protection and to gain the required thickness.

Cleaning

PR Tool Cleaning Solvent should be used to clean tools – **do not use on hands.**

Health & Safety

It is recommended that barrier creams, gloves and protective clothing be used when working with PR Epoxy materials. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin wash immediately with plenty of soap and water.

For full details see separate Health & Safety Data Sheet.

All PR Epoxy products are manufactured to a high standard of quality. Whilst we aim to ensure that any advice, information or recommendations given are reliable and correct, the Company cannot accept any liability directly or indirectly arising from the use of its products, as we have no direct or continuous control over where or how its products are applied. No undertaking can be given against infringement of any patented processes.

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