

## PR Epoxy Screed System (Fine Grade) (5.0 mm)

A three-component, trowel applied, heavy-duty, epoxy mortar system.

PR Epoxy Screed System (Fine Grade) is designed to provide a hard-wearing and wear resistant industrial flooring system in heavy service environments.

### Advantages

- *Extremely hardwearing with excellent resistance to abrasion and impact*
- *Good chemical resistance*
- *Based on low odour and non-taint properties*
- *Suitable for use in food processing areas*
- *Delivers a textured, slip resistant surface*
- *Available in a range of colours to provide a decorative effect*

### Standard Colours



**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)

23.00 kg

#### Approx coverage

10.45 kg / m<sup>2</sup>

#### Min. application temperature

8°C

#### Usable time (1.0 kg mix)

45 – 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

18 – 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.

# PR Epoxy Screed System (Fine Grade)

## Application Guidelines

### Substrate Preparation

To achieve the best performance out of any of our flooring systems, preparation is very important, this cannot be over-emphasised, insufficient attention to this step in the application, may cause premature failure in an otherwise sound floor.

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

All floors must be thoroughly sealed with PR Solvent Free Epoxy Primer prior to the application of PR Epoxy Screed System (Fine Grade).

PR Solvent Free Epoxy Primer is supplied in pre-weighed packs to ensure that the curing agent component is added to the resin base and mixed thoroughly. PR Solvent Free Epoxy Primer is applied to the prepared substrate by roller or brush ensuring a continuous film over the entire floor.

Depending on the substrate porosity a second coat may be required. PR Solvent Free Epoxy Primer must be wet when applying the PR Epoxy Screed System (Fine Grade).

### Mixing

PR Epoxy Screed System (Fine Grade) is supplied in pre-weighed packs and to obtain the best results should be mixed in a forced action mixer such as Daines, Mega-Mixer, and Mixal etc.

Add the Curing Agent Component B to the pigmented Epoxy Resin Component A, mix thoroughly until a uniform colour is formed. Transfer the mixed system to a mixing vessel and slowly add the graded Filler Component C and continue mixing for 3 – 5 minutes until homogeneous.

### Application

PR Epoxy Screed System (Fine Grade) is laid at 5 mm thickness in one application and whilst the Primer is still wet. Only prime an area, which can be treated with PR Epoxy Screed System (Fine Grade) before the primer cures. Primed areas, which have been allowed to cure for any reason, should be reprimed with PR Solvent Free Epoxy Primer.

The mixed PR Epoxy Screed System (Fine Grade) should be raked to the required thickness (5 mm) and tamped with a wooden float to give full compaction. To ensure a tightly trowelled surface, finish off the process using a steel trowel. This is essential to provide a good “packing” for ease of cleaning.

### Expansion Joints

All existing joints in the substrate should be followed through into the PR Epoxy Screed System (Fine Grade).

### 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.*