

## PR Epoxy Patch Repair System

A three-component, general-purpose epoxy mortar and patch repair system.

PR Epoxy Patch Repair System is designed to patch repair worn or damaged concrete or reform joints or other spalled areas.

### Advantages

- Good abrasion resistance
- Good chemical resistance
- Pre-weighed packs available

### 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.

### 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)

5.75 kg  
11.50 kg

#### Approx coverage

11.50 kg / m<sup>2</sup>

#### Specific gravity

1.78 (A+B)

#### Usable time (1.0 kg mix)

30 minutes

#### Shelf life

12 months

#### 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.

#### Compressive strength (full cure 28 days)

61 N/mm<sup>2</sup>

#### Tensile strength

13 N/mm<sup>2</sup>

#### Flexural strength

32 N/mm<sup>2</sup>

#### Light traffic

10 – 12 hours

#### Full traffic

24 – 48 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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## Mixing

PR Epoxy Patch Repair System is supplied in 5.75 kg units (packed in 10.0 litre buckets) and 11.50 kg unit (packed in 20.0 litre buckets) consisting of: -

- *Epoxy Resin Component A*
- *Curing Agent Component B*
- *Filler Component C*

Add the full contents of Curing Agent Component B to the Epoxy Resin Component A and mix thoroughly for two minutes (some of this material may then be brush applied as a primer). Add the mixed material to the filler in the bucket supplied and mix thoroughly until the aggregate is wetted.

## Application

Apply the mixed material to the primed substrate and screed to the required level. Finish to a resin rich surface using a steel trowel.

Protect from rain and frost for the first 24 hours.

## 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.*