

PR Polyurethane Expansion Joint System (Pourable Grade)

A two-component, pourable, flexible polyurethane compound for filling expansion joints.

PR Polyurethane Expansion Joint System (Pourable Grade) is designed to fill and protect expansion joints, allowing for up to 60% joint movement.

Advantages

- *Good chemical resistance to mineral acids, alkalis and petroleum based fuels*
- *Provides a tough resilient cure*
- *Excellent adhesion, without primer, to clean, dry concrete*
- *Suitable for use in wide joints*
- *Available in a range of colours to provide a decorative effect*
- *Good abrasion resistance*
- *Good flexibility, giving high movement capability*

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)

5.00 kg

Approx coverage

Dependent on the width and depth of the expansion joint – see reverse

Specific gravity

1.5 (A+B)

Usable time (1.0 kg mix)

40 minutes

Shelf life

12 months

Tensile strength

6 N/mm²

Tensile elongation

60%

Shore A hardness

57

Light traffic

24 hours

Full chemical cure

3 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

Surface Preparation

Floor joints must be raked clean and be free of all foreign matter. It is advisable when renewing joints in old floors to profile the joint shoulders with PR Epoxy Patch Repair System. Foam backer rods must be employed on suspended floors to stop the expansion joint penetrating to the floor below.

Priming of the joints can be achieved using PR Epoxy Joint Primer, which is a surface conditioning primer for friable surfaces. Application of the expansion joint can be used after the primer has set.

Mixing

Both base and activator units are in pre-weighed form. The two components must be mixed thoroughly together for at least 3 – 4 minutes before use. Joint shoulders should be taped up and the mixed sealant poured into the joint until level with the floor. The expansion joint must be poured within 30 minutes of mixing, as the viscosity increase will be too great after this time for satisfactory pouring.

Coverage

The total quantity of PR Polyurethane Expansion Joint System (Pourable Grade) required could be worked out by using the following calculation factor: -

$$\text{JOINT WIDTH (mm) x JOINT DEPTH (mm)} \\ \text{x JOINT LENGTH (m)}$$

1,000

= # OF LITRES REQUIRED (approx.)

x 1.50 (for # OF KGS REQUIRED)

PR Epoxy Expansion Joint System (Pourable Grade) is available in various pack sizes. (For further information regarding the pack sizes and quantities required please check with our Technical Department).

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.