



UNIT D2, THE COURT
KESTREL ROAD
(OFF GUINNESS ROAD)
TRAFFORD PARK
MANCHESTER. M17 1SF

TEL: - 0161 872 7618
FAX: - 0161 876 4597
Email: - prepoxy@aol.com

Revision No 2
January 2001

P.R. EPOXY EXPANSION JOINT SYSTEM

TECHNICAL DATA SHEET

USES

P.R.Epoxy Expansion Joint System is used for sealing internal joints, subject to heavy industrial use in factories and on warehouse floors.

DESCRIPTION

It is based on a two-part pourable grade sealant, formulated from a blend of epoxy and urethane polymers. P.R.Epoxy Expansion Joint System is easy to mix, giving a low viscosity, good self-levelling properties and can be poured directly into horizontal joints.

ADVANTAGES

1. Good chemical resistance to mineral acids, alkalis and petroleum based fuels.
(for specific chemical resistance data, please contact our Technical Dept)
2. Provides a tough resilient cure.
3. Excellent adhesion, without primer, to clean, dry concrete.
4. Suitable for use in wide joints.
5. Choice of colours.
6. Good abrasion resistance.
7. Good flexibility, giving high movement capability.

TECHNICAL DATA

Pot Life @ 20°C	=	40 – 60 minutes.
Service temperature range	=	-20°C – 65°C
Application temperature range	=	+5°C – 40°C
Cure time @ 20°C – Initial	=	24 hours (suitable for light traffic)
Full	=	3 days
Tensile elongation %	=	10
Mixed S.G.@ 20°C	=	1.310(Resin & Curing Agent mixed together)
Tensile strength, N/mm ²	=	16
Tear strength, N	=	60
Shore D hardness	=	60

MIXING/APPLICATION

P.R.Epoxy Expansion Joint System is supplied in the correct mixing ratio. Add the full contents of Curing Agent Component B into the Resin Component A, mix together for at least five minutes until a uniform colour is obtained.

After thorough mixing the material can be poured directly into the prepared joint, to the required level. It may be necessary after a few minutes, to top up the level of the P.R.Epoxy Expansion Joint System, after it has flowed into all the void areas.

COVERAGE

The total quantity of P.R. Epoxy Expansion Joint System required could be worked out by using the following calculation factor: -

$$\frac{\text{JOINT WIDTH (mm)} \times \text{JOINT DEPTH (mm)} \times \text{JOINT LENGTH (m)}}{1,000} = \text{Number of litres required (approximately)}$$

P.R.Epoxy Expansion Joint System is available in various pack sizes. (For further information regarding the pack sizes and quantities required please check with our Technical Dept)

ADDITIONAL INFORMATION

THIXOTROPIC grade can also be made available for areas where good “sag” resistance is required.

CLEANING

The uncured material on any tools etc. can be cleaned using P.R.Tool Cleaning Solvent. **Do not use this on hands.**

HEALTH & SAFETY

It is recommended that barrier creams, gloves and protective clothing be worn when using P.R. Epoxy Expansion Joint System.

If eyes are affected wash with copious amounts of cold water and seek medical advice. For hands, wash with soap and water.

For full details see separate Health & Safety Data Sheet.

OTHER INFORMATION

All P.R. Epoxy Systems 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.