

PFL Epoxy Sealer

PeterFell
SPECIALISTS IN COLOURED CONCRETE

PFL Epoxy Sealer is a durable, easy to use epoxy sealer that provides a hard protective finish to interior concrete floors.

Description:

PFL Epoxy Sealer is a durable, resilient sealer for use on interior concrete floors. PFL Epoxy Sealer forms a hard surface coating that displays excellent impact resistance, and will protect the concrete for years. Designed in New Zealand, this water based epoxy is solvent free making it safe to handle and friendly on the environment. Components are simply combined in equal quantities, yielding a low viscosity, damp tolerant sealer which is very easy to apply.

Precautions:

- DO NOT seal any concrete under 28 days old.
- DO NOT apply to any surface that has been previously treated with any curing compound or any other surface treatment.
- DO NOT seal if concrete (NOT atmospheric) temperature is below 12°C or above 30°C.
- DO NOT apply in direct sunlight (i.e. midday) or high humidity.

Application:

Equipment: Brush/Roller/Sprayer (for application), Bucket (to mix), mixer, safety equipment (see 'Safety and Handling').

Preparation: It is imperative the concrete is prepared correctly before application of PFL Epoxy Sealer.

New Concrete: All new concrete should be prepared as described in the 'PeterFell Finishing Guide', or contact Peter Fell Ltd for full instruction.

Old Concrete: Care must be taken to prepare surface correctly:

- (i) Remove ALL existing coatings: PFL Epoxy Sealer must be applied directly to the concrete surface. Any existing coatings or treatments that may prevent this must be completely removed.
- (ii) Remove ALL contaminants: remove all contaminants using appropriate cleaning agents. If area is heavily contaminated, or contaminants are unable to be completely removed, it is recommended that PFL Epoxy Sealer is NOT used as the ability of the sealer to penetrate into the concrete will be severely compromised.

For full preparation instructions refer to 'PeterFell Finishing Guide' or contact Peter Fell Ltd.

Mixing: Shake both Pack A and Pack B well prior to mixing.

Combine equal parts (by volume) of Pack A and Pack B.

Combine in appropriately sized container to allow mixing.
Mix components thoroughly using mechanical stirrer - drill attachment recommended.
Once mixed, sealer has a pot life of approximately 2 hours (@ 20°C).

Application:

- PFL Epoxy Sealer can be applied with a roller or brush.
 - Roller is the recommended method of application - 5 mm nap hair roller or similar gives best results.
- Apply PFL Epoxy Sealer in thin coats, avoid pooling.
- Apply **minimum 2 coats** PFL Epoxy Sealer
 - Porous and ground concrete floors *will* require additional coats to be properly sealed.

Application continued over page...

Application (continued):

- Re-coating time:** PFL Epoxy Sealer should be re-coated within 24 hours.
- Sanding between coats is recommended if more than 24 hours has elapsed.
- Drying time:** PFL Epoxy Sealer typically dries within 1-2 hours of application.
- This period may be longer in cold climates, and varies depending on atmospheric conditions, the condition of the prepared surface, and application.
- Pot life:** Approximately 2 hours @ 20°C.
- Coverage:** Approximately 8-10 m²/L
- Coverage will vary greatly depending on the porosity and texture of the concrete.
- Cleanup:** All equipment can be cleaned with water.

Maintenance:

- ALL internal concrete floors sealed with PFL Epoxy Sealer should be treated with **PFL CoverSeal**.
 - Refer to the 'PeterFell Finishing Guide' or contact Peter Fell Ltd for product information
- PFL Epoxy Sealer can be maintained by cleaning with **PFL Neutralizer & Cleaner**.
 - Refer to the 'PeterFell Finishing Guide' or contact Peter Fell Ltd for product information.

- Removal:** PFL Epoxy Sealer can be removed with PFL Sealer Stripper
- Contact Peter Fell Ltd for product information and application instructions.

Safety and Handling:

- Hazard:** PFL Epoxy Sealer is considered non hazardous. For full safety information refer to MSDS or contact Peter Fell Ltd.
- Safety:** Wear suitable protective clothing during application.
- Pack Sizes:** 2, 4, and 10 L packs (2 part packs).
- Storage:** Store in cool, dry, well ventilated place in original container. Store out of reach of children. Store away from direct sunlight, oxidizing agents (e.g. nitrates), acids, anionic, detergents, and foodstuffs. Keep away from naked flames and other heat sources. Take precautions against static discharge. Ensure container is sealed when not in use, and checked regularly for leaks or spills. Do not allow vapours to collect in enclosed spaces. PFL Epoxy Sealer can be stored for up to 12 months.

First Aid:

- Swallowed:** DO NOT induce vomiting. Give water or milk to drink. Obtain medical attention immediately. For emergency information contact the *National Poisons Centre (0800 764 766)*.
- Eyes:** Immediately flood with copious quantities of water, holding eye open if necessary, for at least 15 minutes. Seek urgent medical attention.
- Skin:** Remove contaminated clothing and shoes and wash skin thoroughly with excess water. If irritation occurs or persists, seek medical attention. Launder clothing and clean shoes before re-use.
- Inhalation:** Remove patient from exposure, keep warm and at rest. If there is respiratory distress, give oxygen and seek immediate medical attention.

Physical and Chemical Properties:

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| Appearance..... | Pack A..... white 'milky' liquid |
| | Pack B..... amber liquid |
| Appearance when dry..... | transparent |
| Odour..... | very faint 'plastic' odour |
| Solubility..... | soluble |
| Wet film thickness..... | approximately 50 - 75 micron |
| Dry film thickness..... | approximately 25 - 50 micron |

Product Warranty

The information contained in this document is true and accurate to the best knowledge of Peter Fell Ltd. We cannot however anticipate all conditions under which this information and our products may be used. Peter Fell Ltd therefore accepts no responsibility and offers no warranty with respect to results obtained by the application of our products, their suitability, or for their safe use. Peter Fell Ltd offers our products for sale subject to, and 'The Customer' and all users are deemed to have accepted, our Terms and Condition of Trade. Peter Fell Ltd warrants our products to be free of manufacturing defects. If the product when purchased was defective and was within recommended storage life when used, Peter Fell Ltd will replace the defective product with new product without charge to the purchaser. Peter Fell Ltd makes NO OTHER WARRANTY, either expressed or implied, concerning our products.