



Research & Applied Technologies

Suppliers of Waterproofing Systems & Facade Coatings

PERMAFLEX® E100

Technical Data Sheet

DESCRIPTION

A two component epoxy resin system - 100% solids particularly designed as a coating for concrete.

USES

For exterior and interior use where the highest possible protection against chemical corrosion and abrasion is required. **E-100** epoxy concrete coating has excellent adhesion to a properly prepared substrate and cures rapidly to a smooth, gloss finish and is easily cleaned. A non-slip surface may be produced by the addition of clean uniform aggregate to the surfaced surface.

ADVANTAGES

- Excellent chemical resistance to alkalis and dilute mineral acids.
- Suitable for use in wet areas.
- Has high abrasion and impact resistance.

TECHNICAL DATA

Drying Time @ 25°C.....	2
Hours	
Overcoating.....	8 Hrs - 16
Hours	
Pot Life @ 20°C.....	1.25 Hours
Theoretical Coverage.....	4-10m ² per
litre	
Number of Coats.....	1 - 3
coats	

LIMITATIONS

Do not apply if temperature is below 10°C or above 35°C. Finished surface may yellow slightly or chalk under strong UV exposure.

INSTALLATION

Preparation

All surfaces should be clean, dry and free from dust, oil, grease, flaking paint and laitence.

Concrete should be minimum 14 days old before application commences. All cracks and holes exceeding 2mm in width are to be repaired prior to application.

Old concrete surfaces should be thoroughly cleaned by medium pressure water-blast, wire brushed or acid etched.

Steel surfaces should be abrasively cleaned to AS1627 Part 4.

Mixing

All information is given in good faith but without warranty. No liability or responsibility will be accepted for any damage, loss or patent infringement resulting from use of this information. This information does not constitute a specimen.

Application

Apply material by brush, roller or spray. A minimum nozzle pressure of 2000 psi with an orifice size of 0.66mm has been found suitable.

Repairing

Areas that have been previously coated and found damaged can be readily overcoated. The existing surface must be well abraded to ensure a good bond.

COLOURS

Available in grey or white.

Other colours are available on request.

CLEAN UP

All tools and equipment must be cleaned immediately after use with appropriate solvent.

MATERIAL SAFETY DATA

UN No:.....	1263
Hazchem Code.....	3 (Y) E
Dangerous Goods Class.....	3.2
Poison Schedule.....	

PACKAGING

Available in 3.6 litre packs.

Shelf life is 12 months in unopened containers.

HEALTH AND SAFETY

All these materials contain volatile flammable solvents and toxic materials capable of harming an operators health. Ensure that the work area is well ventilated by forced draught as necessary. Avoid contact with skin or eyes. The wearing of protective equipment is recommended and should be enforced, especially in confined spaces. In case of skin contact, remove contaminated clothing, wash skin thoroughly with soap and water. Seek medical attention if eyes are affected.

TECHNICAL ADVISE

Technical advice or service on suitability of material for specific application and end use requirements is available from Research & Applied Technologies Pty Ltd.

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