

# EPOTREAD™ 1000

## Premium epoxy floor coating

Revised July 2020

### DESCRIPTION

**Epotread 1000 is a two-pack heavy duty waterbased epoxy coating** manufactured with the latest epoxy resin technology, specially formulated to an equal part 1:1 ratio ensuring speed and accuracy for the applicator.

**Epotread 1000** is used extensively for floors of automotive workshops, factories and garages throughout New Zealand, providing a very hardwearing and chemical resistant finish.

### PRODUCT FEATURES

- Durable and hardwearing
- Incredible adhesion to stable concrete
- Non-toxic and solvent free
- Available in 12 standard colours, plus tinting on request
- Apply by brush, roller or airless sprayer
- Excellent fuel, oil and grease resistance
- Easy 1:1 mix ratio (Part A and Part B)
- Resists hydrostatic pressure when cured

### USE AREAS

- Floors of automotive workshops, garages, aircraft hangars
- Factory, warehouse and showroom floors
- Concrete protection in wineries and beverage industries
- Extremely durable and easy clean interior wall finish
- Timber floors of garages and work areas

### PACKAGING

Epotread 1000 is available in 4 litre, 8 litre and 20 litre packs.

Each pack consists of two components (Part A and Part B).

The total quantity comprises the pack size, eg. 20 litre pack includes 10 litres of Part A plus 10 litres of Part B.

### APPLICATION INSTRUCTIONS

#### Surface Preparation

Ensure the substrate is in clean and sound condition. The surface must be free of dirt, oil, grease and loose material. Remove oil using Omniwash detergent or similar. Pre-painted surfaces must be clean and dry. Any loose or bubbling paint must be removed by diamond grinding.

New or very smooth concrete should be either diamond ground or etched with Hydrochloric Acid then thoroughly waterblasted.

Diamond grinding is recommended on older floors.

If the concrete substrate has a rising dampness issue, apply a primer coat of Epotread Moistureseal.

Cracks can be cut out using a diamond cutting blade on an angle grinder, then filled with Cretex SL epoxy resin. Refer to Cretex SL Data sheet.

Timber floors should be prepared by sufficient sanding and lightly sanded between each coat.

#### Mixing Directions

Wear impervious nitrile disposable gloves. Stir the Part A thoroughly to ensure that no pigment has settled. **Combine Part A with Part B equal quantities by volume (1:1)** and mix thoroughly for at least 1 minute ensuring a consistent mix. A spiral mixer on a variable-speed power drill is recommended. Ensure that no unmixed ingredient is on the sides or bottom of the pail. Pour the mixed material into a clean pail.

Thin 20% with water for the first coat only to aid the penetration on unpainted concrete.

Important: If thinning, combine Part A and B together, mix thoroughly,



then add the measured amount of water and mix thoroughly again.

#### Application

Once mixed the working time is 2 hours @ 20°C, or 1½ hours @ 25°C. Apply the mixed Epotread 1000 to the prepared surface evenly by roller using a 10mm roller sleeve. If using an airless sprayer, the first coat application should be assisted with a roller to ensure no air is trapped in the substrate. Thin 20% with clean water for the first coat only. Avoid thinning for subsequent coats. Air fans should be used to assist the drying of the top coat if drying is slow.

#### CLEANING OF TOOLS

Equipment and tools should be cleaned immediately after use with hot water and detergent. A new roller sleeve is recommended for each coat. Cured material can be removed with fine sandpaper.

#### SPECIFICATION CLAUSE

Concrete areas so designated shall be coated with Epotread 1000 waterbased epoxy as supplied by Regis Coatings. This shall be applied to the prepared surface in accordance with the Regis Coatings current product data sheet.

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 **REGIS**  
COATINGS

## PRODUCT DATA SUMMARY

Property	Typical Values
Colour, wet	Part A: Pigmented epoxy resin Part B: Amber liquid
Colours available	12 standard colours
Pack sizes available	4 litre, 8 litre, 20 litre
Coverage rate	7- 10 m <sup>2</sup> / litre per coat
Mix ratio	1:1 equal parts by volume
Pot life once mixed	2 hours at 20°C or 1½ hours at 25°C
Application Temperature Range	8°C to 30°C
Specific gravity	1.36kg / litre /(Mixed A +B)
Touch dry time	10 hours at 20°C
Application	Brush, roller or airless sprayer
Number of coats required	2 coats on pre-painted surfaces 3 coats on porous/unpainted concrete
Re-coat time	16 hours at 20°C. Surface to be tack-free
Light foot traffic	16 hours at 20°C
Light vehicle traffic	48 hours at 20°C
Full Cure	5-7 days at 20°C
VOC Content	37 grams per litre
CHF Value	>11.0 Non-Directional (kW/m <sup>2</sup> )
Clean up	Warm water and detergent while wet
Storage	Store indoors between 8°C and 20°C
Shelf life	12 to 24 months in well sealed pails

Actual values may vary from the samples tested.

### STANDARD COLOURS

Epotread 1000 standard colours are shown below. Please note this is a guide only. Actual samples are available on request. White and deep tint bases and a range of other tinted colours are also available.



The information provided in this technical bulletin is as up-to-date and correct in detail as possible and is intended to give a fair description of the product and its capabilities. The user of these materials must satisfy themselves with the suitability for a particular application. If unsure about use with certain chemicals, please contact the manufacturer.

## HEALTH AND SAFETY

**Flammability:** Non flammable.

**Skin contact:** Wear impervious gloves such as nitrile disposable gloves. Occasional contact is unlikely to have any adverse effect except on particularly sensitive skin. As a general precaution, avoid repeated or prolonged contact. Remove skin contamination when wet with water. Use a proprietary hand cleaner if the product has dried.

**Eye Contact:** As eyes are a sensitive area, contact should be avoided. Wear safety glasses while mixing and applying. In the event of accidental contact, rinse immediately with plenty of clean water.

Consult a doctor.

**Inhalation:** Use in well ventilated areas and avoid inhalation. This product is not likely to cause breathing difficulty, but if breathing problems occur, move the person to fresh air and obtain medical attention.

**Oral ingestion:** With proper handling oral ingestion should not occur. The possibility can be minimized by not consuming food in the working area and by washing hands thoroughly before eating and drinking.

**Spillage:** Unused material should be disposed of in accordance with local regulations.

Do not dispose of unused material into drains.

**Disposal of containers:** Do not leave empty containers on the work site where any residue could be a hazard to children or animals. Replace lids and remove all containers to a central disposal point.



### TECHNICAL SUPPORT

Further information is available on our full range of epoxy floor repair resins, concrete sealers, waterproofing and roof coatings.

Visit our website at [www.regiscoatings.co.nz](http://www.regiscoatings.co.nz) or phone Tollfree **0800 542 542** to request brochures or a site visit.



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