

Epotread™ SL250

WATERBASED EPOXY FLOOR REPAIR SCREED

Revised Jan 2013

DESCRIPTION

Epotread SL250 is a non-toxic epoxy floor topping that is self smoothing and contains a special blend of graded aggregate. **Epotread SL250** is formulated to fill eroded, damaged or rough concrete, providing a tough floor surface with excellent chemical resistance.

PRODUCT FEATURES

- Durable and hardwearing
- Incredible adhesion to stable eroded concrete
- Improves uneven floors
- Non-toxic and solvent free
- Non-porous, will not harbour bacteria
- Good slip resistance
- Excellent fuel, oil and grease resistance
- 3 component kit supplied with a handy mixing pail
- Resists hydrostatic pressure when cured
- Can be diamond ground and overcoated with other Epotread coatings

USE AREAS

- Floors of plant rooms, manufacturing facilities, abattoirs, tank rooms, dairy sheds, etc.
- Repairs to damaged and eroded concrete floor surfaces
- Concrete protection in wineries and beverage industries

APPLICATION INSTRUCTIONS

Surface Preparation

Ensure the substrate is in clean and sound condition. The surface shall be free of dirt, oil, grease and loose material. Pre-painted surfaces must be dry, any loose or bubbling paint must be removed by shot blasting or diamond grinding. New or very smooth concrete should be etched with Hydrochloric Acid then thoroughly waterblasted.

Priming

On eroded concrete floors, it is recommended to apply a primer coat of **Epotread 1000**.

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

Mixing Directions

Wear impervious gloves, such as latex or vinyl disposable gloves. Pour the complete contents of Part A and Part B into the mixing pail supplied. Stir until a consistent mix is obtained. Then add Part C and stir again until a consistent mix is obtained. A spiral mixer on a low-speed drill is recommended. Ensure that no unmixed ingredient is on the sides or bottom of the pail. Wait for 1 minute, then mix again for 2 minutes.

Application

Surface should be dry. Pour the mixed product onto the floor surface and immediately spread out with a clean steel trowel or concrete float tool. Once mixed the working time is approx. 30 minutes @ 20°C, or 45 minutes @ 15°C.

FLOOR JOINTS

Existing floor expansion joints should be continued through the Epotread SL250 layer. This can be done using a diamond concrete saw after 2-3 days curing. The saw cuts can then be filled with Cretex PU sealant.



CLEANING OF TOOLS

Equipment and tools should be cleaned immediately after use with hot water and detergent. Cured material can be removed with fine sandpaper.

SPECIFICATION CLAUSE

Concrete areas so designated shall be repaired with a screed of Epotread SL250 waterbased epoxy as supplied by Regis Coatings. Any deeply eroded areas of concrete may require a primer coat of Epotread 1000. These shall be applied to the prepared surface in accordance with the Regis Coatings current product data sheet.

PACKAGING

Epotread SL250 is available in 10 litre packs. Each pack is supplied with a handy mixing pail and consists of three components (Part A, B and C).

Freephone

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PRODUCT DATA SUMMARY

Property	Typical Values
Colour, wet	Part A: Pigmented epoxy resin (Grey) Part B: Amber liquid Part C: White sand and powder mix
Colour when cured	Light grey
Setting time	8—12 hrs depending on temperature
Flash point	110°C
Solids content	>60%
Specific gravity	1.9kg / litre
Working time once mixed	30 minutes at 20°C
Clean up	Warm water and detergent
Application Temperature	6°C to 35°C
Density when fully cured	1492kg/m ³
Heat resistance, 80°C	No flow, sag or blistering

Actual values may vary from the samples tested.

HEALTH AND SAFETY

Flammability: Non flammable.

Skin contact: Wear impervious 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, irrigate 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.

BASIC MIXING DIRECTIONS

Refer also to the more detailed directions on page 1.

1.

Wear latex or vinyl gloves. Pour the Parts A and B into the mixing pail and stir thoroughly using a spiral mixer on a low-speed drill.



2.

Add Part C and stir thoroughly until a consistent mix is obtained. Leave to settle for 1 minute and remix to ensure no air is trapped.



3.

Pour the mixed Epotread SL250 onto the prepared surface and screed out evenly with a steel trowel.



4.

If necessary, a diamond grinder can be used after 2-3 days to achieve a smoother finish.



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 or phone Tollfree 0800 542 542 to request brochures or a site visit.

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.



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