



TECHNICAL DATA SHEET – REPAIR RESIN

Product Overview

Renoscreed Repair Resin is a two-component, ultra-low viscosity epoxy resin formulated for use in a range of repair applications across screed and concrete surfaces. Designed to deeply penetrate, bond, and reinforce weak or cracked screeds, the resin system provides a solvent-free, clear finish suitable for filling voids, injecting into cracks, or combining with quartz sand to produce a high-strength mortar.

Supplied in pre-measured kits (1kg and 3kg), the product is ideal for general crack repairs, void consolidation, surface stabilisation, and injection repairs.

Applications

- Crack injection and sealing
- Stitch pinning of hollow or de-bonded screed sections
- Bonding failed or friable screeds
- Mixing with quartz aggregate to create trowelable repair mortars
- Priming and consolidating surfaces prior to screed or topping installation

Technical Data

Property	Value
Base	2-part epoxy (pre-measured)
Appearance	Clear, low-viscosity resin
Working Time (20°C)	20 minutes
Foot Traffic	6 hours
Overcoat Window	12–24 hours
Application Temp	+10°C to +25°C
Pack Sizes	1kg and 3kg kits
Coverage (Guide)	3–5kg/m ² for 50mm screed consolidation (site dependent)

Renoscreed

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Key Benefits

- Ultra-low viscosity for deep penetration
- Solvent-free and low odour
- Compatible with Renoscreed Fine and Coarse Q-Sands
- Bonds and consolidates failed screeds
- Easy to mix and apply

Usage Guidance

Crack Repair

1. Rake out loose debris and vacuum thoroughly.
2. Pour Renoscreed Repair Resin into the crack using a spouted jug or watering can.
3. Refill if settlement occurs.
4. Where required, broadcast Fine Q-Sand into the crack and wet with additional resin.
5. Trowel flush and allow to harden.
6. Finish flush or grind back as needed.

Resin Stitch Pinning (for hollow sections)

1. Drill 12mm holes at no more than 100mm centres along the crack or hollow area.
2. Vacuum all dust and debris.
3. Pour Renoscreed Repair Resin into holes and cracks.
4. Refill as necessary and top off once fully absorbed.
5. Cap holes with a suitable mortar or epoxy putty.

Mortar Formation

Blend Renoscreed Repair Resin with Renoscreed Fine or Coarse Q-Sand to form a trowelable mortar for repairs or surface reinstatement. Use a resin-to-sand ratio suited to the application thickness (typically 1:5–1:7 by weight – until the resin has wetted all the quartz sand). Mix small quantities only and apply immediately.

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Mixing & Application

Mix entire contents of Component B (hardener) into Component A (base). Stir with a slow-speed drill and paddle for 1–2 minutes until uniform. Decant and apply immediately—working time is limited. Do not allow mixed product to stand in bulk – decant into smaller containers if necessary to avoid heat build-up.

Overcoating Renoscreed Repair Resin

If further products are to be applied over the resin repair area, ensure the surface is fully cured and free from contamination. Renoscreed Grit Prime should be used over the repair area to provide a textured and keyed surface for optimal adhesion to non-porous epoxy. Allow the repair resin to cure (typically 12–24 hours) before applying the Grit Prime.

Important Handling Notes

- Renoscreed Repair Resin generates heat once mixed—use immediately.
- Avoid leaving unused resin in containers.
- Have Q-Sand on hand to quench in case of overheating.
- NEVER add water to mixed resin.

Storage & Shelf Life

Store in original, sealed packaging in a dry environment. Avoid exposure to moisture or direct sunlight. Shelf life is 12 months from the date of manufacture.

Health & Safety

This product is classified as non-hazardous. Always wear appropriate PPE (dust mask, gloves, and eye protection) when handling dry sand. Refer to the product Safety Data Sheet (SDS) for detailed health and safety guidance.

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