



TECHNICAL DATA SHEET – PRIMER RTU

Product Overview

RENOSCREED PRIMER RTU is a ready-to-use, water-based surface primer designed to enhance the adhesion of Renoscreed levelling compounds to a variety of solid substrates. It acts as a sealer to reduce surface porosity, prevent air bubbles and dewatering, and improve overall flow and cohesion of self-levelling screeds.

The product is suitable for use on absorbent and non-absorbent substrates and should be used prior to the application of Renoscreed Fibre 0350, Renoscreed Level 0220, Renoscreed Pro 0212 and other compatible smoothing compounds.

Applications

- Concrete
- Sand/cement screeds
- Calcium sulphate screeds (when sealed appropriately)
- Dense or absorbent screeds and toppings
- Smooth power-floated concrete
- Cement-based repair mortars

Technical Data

Property	Value
Appearance	Milky turquoise liquid
Packaging	5L and 10L plastic containers
Coverage	5–10m ² per litre (depending on substrate)
Drying time (typical)	1–4 hours (depending on conditions)
Application temperature	+10°C to +25°C
Shelf life	12 months (in unopened original container)
Storage	Cool, dry, frost-free environment

Renoscreed

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Key Benefits

- Ready-to-use – no dilution required
- Improves adhesion to the substrate
- Reduces air release and pinholing
- Minimises water loss from the screed
- Improves product flow of following screed
- Seals porous surfaces
- Compatible with the full Renoscreed range

Substrate Preparation

Proper substrate preparation is critical to the performance of Renoscreed levelling compounds. All substrates must be:

- Structurally sound and free from movement
- Dry and clean, with a surface strength of $\geq 1.0 \text{ N/mm}^2$
- Free from dust, oil, grease, laitance, surface treatments, and any loose materials
- At a temperature of $+10^\circ\text{C}$ to $+25^\circ\text{C}$, with ambient humidity below 95%

Concrete and sand/cement screeds:

Mechanically clean using vacuum-assisted grinding or shot-blasting to expose a clean, open surface. Remove all contaminants and vacuum thoroughly before applying Renoscreed Primer RTU.

Calcium sulphate screeds:

Must be fully cured and abraded to remove surface laitance. Ensure moisture content is below 0.5% CM. Seal with two coats of Renoscreed Primer RTU applied in a cross-coat method.

Highly porous substrates (e.g. lightweight screeds or absorbent concrete):

May require two coats of primer. Allow the first coat to dry fully before applying the second

Perimeter isolation should be installed using 5mm x 100mm or 8mm x 100mm foam around all walls, columns, and fixed upstands to prevent stress transfer.

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Large deviations or hollows in the substrate exceeding 50mm should be filled using **Renoscreed Fibre 0350 before overcoating**. Once this has hardened, the area should be re-primed before applying Renoscreed Fibre topping.

Application Instructions

1. **Stir thoroughly** before use. Do not dilute.
2. Apply using a brush or roller, ensuring an even, continuous film across the substrate.
3. Avoid puddling – remove any excess material using a roller or sponge.
4. Allow the primer to dry fully before applying the levelling compound.
 - Typical drying time: 1–4 hours, depending on temperature, humidity, and substrate porosity.
5. For highly porous substrates, a second coat may be applied once the first coat is fully dry.
6. Once dry, apply the Renoscreed levelling compound within 24 hours. Re-prime if left longer.

Important:

Do not apply primer over dusty, contaminated, frozen, or damp surfaces. Avoid using in temperatures below +5°C or above +30°C.

Compatibility

Renoscreed Primer RTU is designed for use with:

- Renoscreed Fibre 0350
- Renoscreed Level 0220
- Renoscreed Pro 0212 (and other screeds as advised by Renoscreed technical support)

Limitations

- Do not use below +5°C or in humid conditions above 95% RH
- Not suitable for use on flexible or moisture-sensitive substrates
- Avoid foot traffic until the primer is fully dry
- Do not apply on surfaces subject to rising damp without a DPM

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Storage & Shelf Life

Store unopened in a cool, dry place. Use within **12 months** of manufacture.

Health & Safety

This product is not classified as hazardous. A full Material Safety Data Sheet (MSDS) is available upon request.

Cleaning & Disposal

Clean all tools and equipment immediately after use with clean water. Do not allow to dry on tools. Dispose of contents and container in accordance with local regulations.

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