TEKCEM

TEKPRIME RTU

READY-TO-USE PRIMER FOR SCREED, CONCRETE, AND CALCIUM SULPHATE SUBSTRATES

OVERVIEW

TEKPRIME RTU is a high-performance, pre-diluted primer designed for sealing and stabilising screed, concrete, and calcium sulphate substrates. Formulated for ease of use, this ready-to-use solution eliminates the need for on-site dilution, ensuring consistent performance and eliminating errors related to incorrect water ratios.

TEKPRIME RTU enhances adhesion between substrates and overlayments such as levelling compounds, screeds, and adhesives, improving workability and reducing air bubbles or pinholes in the finished surface.

TECHNICAL DATA

Property	Specification
Packaging	25 kg container
Colour	Low viscosity, light blue liquid
Working Time	20-30 minutes at 20°C
pH	>11
Drying Time	1-2 hours
Minimum Time Between Coats	1 hour or when touch dry
Maximum Overlay Time	24 hours

SUBSTRATES

TEKPRIME RTU is suitable for application on the following substrates:

- Screed
- Concrete
- Calcium sulphate-based screeds (see specific application guidance below)

BENEFITS

- **Pre-Diluted & Ready to Use** – No need for on-site mixing, ensuring quality assurance and eliminating inconsistencies.
- **Seals and Stabilises** – Effectively reduces substrate porosity for improved overlayment performance.
- **Enhances Adhesion** – Optimised for use with cement and calcium sulphate-based products.
- **Minimises Pinholes & Air Bubbles** – Ensures a smooth and even finish.
- **Saves Time & Labour** – Ready-to-use formulation eliminates dilution errors and reliance on site water supply.
- **Water-Based & Low Odour** – Safe, easy to apply, and environmentally friendly.
- **Blue Pigmentation for Visibility** – Ensures ease of application, allowing uniform and complete coverage.

COVERAGE

Substrate	Coverage per 25kg of TEKPRIME RTU
Screed, concrete, calcium sulphate	Approx. 125m²
Power-floated concrete,	Approx. 150m²
Poor substrates	Approx. 100m²
Exposed edges	Approx. 100m²

Consumption can vary depending on substrate porosity and surface texture – where possible undertake a site trial to ascertain required consumption

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APPLICATION

Surface Preparation

- Ensure all substrates are clean, sound, and dry.
- Remove dust, dirt, laitance, grease, and contaminants that may affect adhesion.
- For heavily contaminated floors, seek technical guidance.
- Sub-floors directly to earth must have a suitable DPM.

Mixing & Application

- TEKPRIME RTU is supplied pre-diluted and ready for use.
- Shake well before application.
- Apply evenly using a squeegee or roller, ensuring no pooling occurs.
- Allow the primer to dry fully before applying any overlayments.
- Drying time is approximately 1-2 hours, but may vary based on temperature, humidity, and substrate absorbency.
- For best results, use a two-coat system, allowing a minimum of 3-4 hours or overnight for the second coat to dry before applying a levelling screed.
- **For calcium sulphate-based screeds, the first coat should be TEKPRIME RTU, followed by a neat coat of standard TEKPRIME to form a barrier for the following cement-based levelling screed.**

Limitations

- Application should be carried out when the floor temperature is between 5°C and 30°C.
- Ensure the ambient relative humidity is below 75% during application and drying.

TOOLS REQUIRED

- Squeegee or roller
- Stirring rod (for mixing before application)
- Clean water for tool cleaning

STORAGE & SHELF LIFE

- Store in a cool, dry place, avoiding extremes of temperature.
- Shelf life: **12 months in unopened containers**.

HEALTH & SAFETY

- This product is water-based and classified as non-hazardous.
- Always wear appropriate PPE when handling and applying the product.
- Dispose of packaging and waste responsibly.
- For further safety information, refer to the Material Safety Data Sheet (MSDS).

DISCLAIMER

The information provided in this datasheet corresponds to the best of our knowledge and experience. While it is true and accurate to the best of our knowledge, variations in site conditions and application methods may impact performance. TEKCEM LTD cannot be held responsible for any loss or damage due to incorrect use or external factors beyond our control.

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