



TEKCEM TEKPRIME CS



OVERVIEW

TEKPRIME CS is a high-performance primer specifically formulated for use on calcium sulphate/anhydrite screeds. It penetrates and seals the surface, creating a barrier to eliminate adverse reactions with cementitious adhesives and flooring compounds.

TEKPRIME CS enhances adhesion, improves workability, and strengthens the bond of subsequently applied materials. For ease of application, TEKPRIME CS is pigmented red to enhance visibility.

AREAS OF USE TEKPRIME CS is suitable for use on:

- Interior calcium sulphate/anhydrite screeds (including heated screeds)
- Preparation of screeds before applying levelling and smoothing compounds or tiling

TECHNICAL DATA

Property	Value
Packaging	1-litre, 5-litre, and 25-litre containers
Colour	Red
Application Temperature	5°C – 30°C (optimum 15°C – 25°C)
Drying Time (@20°C)	Approx. 60 minutes
Coverage per 5 litres	Approx. 32.5m ²
Consumption Rate	Approx. 0.15 kg/m ²

SUBSTRATE PREPARATION

All laitance and surface contaminants must be completely removed. The screed must be adequately dry, with a relative humidity (RH) not exceeding 85%.

For resilient flooring installations, ensure the screed is no greater than 75% RH before fitting floor coverings.

New heated screeds must be fully commissioned before application. Underfloor heating should be switched off at least 48 hours prior to primer application.

APPLICATION

Preparation:

Shake the container well before use. Ensure the substrate is clean, dry, and free from dust, oil, and other contaminants that may hinder adhesion.

Application Method:

- Apply one neat, undiluted coat of TEKPRIME CS using a short pile roller, brush, or squeegee, ensuring complete and uniform coverage.
- Work the primer into the substrate to ensure penetration, particularly on porous surfaces.
- Avoid excessive application and pooling to ensure consistent absorption and performance.
- For best results, apply in a single direction and avoid overworking the material.

Drying Time:

- Allow TEKPRIME CS to dry fully before walking on the surface or applying subsequent layers (levelling compounds, smoothing compounds, or tiling adhesives).
- Drying times vary based on site conditions and substrate porosity but typically take approximately 60 minutes at 20°C.
- In cooler or more humid conditions, drying may take longer.

INSTALLATION TEMPERATURE GUIDANCE

- **Minimum application temperature:** No lower than 5°C for optimum results.
- **Recommended application range:** 15°C – 25°C.
- **Maximum temperature:** Do not apply in temperatures exceeding 30°C.

COVERAGE

Coverage depends on substrate texture and porosity. As a guideline, **1 litre of TEKPRIME CS covers approximately 6.5m²**, equating to a **consumption rate of 0.15 kg/m²**.

TYPICAL CONSUMPTION PER UNIT SIZE

Unit Size	Approx. Coverage (m ²)
1 litre	6.5
5 litres	32.5
25 litres	162.5

CLEANING

Wash all tools with clean water immediately after use, before the product dries.

HEALTH & SAFETY

Refer to the Material Safety Data Sheet (MSDS) for full health and safety guidance. Available upon request.

STORAGE & SHELF LIFE

Store TEKPRIME CS in a cool, dry environment, off the ground, and protected from frost. Unopened containers have a shelf life of 12 months.

LIMITATIONS

- Ensure the application temperature is above 5°C.
- Do not dilute TEKPRIME CS.
- Always allow the primer to dry fully before proceeding with further applications.

TEKPRIME CS should be used in accordance with BS 5385 & BS 8203 guidelines for floor tiling and resilient floor covering installations.

The information provided in this datasheet is based on our current knowledge and experience. While it is given in good faith, site conditions and application methods vary. TEKCEM LTD cannot be held responsible for issues arising from incorrect use or application beyond our control.