

For preparation of a substrate prior to the application of a wide range of overlays including screeds, levelling compounds, smoothing compounds and adhesives. It is particularly suitable for use with the TEKCEM range of bagged screeds and levellers.

OVERVIEW

TEKPRIME is an advanced high solids primer specially designed to stabilise, seal and prepare substrates. It is ideal for use with a wide range of overlays including screeds, levelling compounds, smoothing compounds and adhesives.

TEKPRIME is particularly suitable for use with the TEKCEM range of cementitious bagged screeds and levellers.

TEKPRIME enhances adhesion at the interface between substrate and overlayment and provides a surface of uniform absorbency.

TEKPRIME reduces the porosity of the substrate helping to maintain workability of applied overlayment and prevent air bubbles rising to the surface and forming pinholes in an applied levelling or smoothing layer.

BENEFITS

- Seals and stabilises.
- Reduces surface porosity.
- Enhances adhesion of cement and calcium sulphate based products.
- Water based, safe and easy to apply.

TECHNICAL DATA

Packaging	5 litre & 25 litre containers
Appearance	Low viscosity, green liquid
Working time	20-30 minutes at 20°C
pH	>11
Drying time	1-2 hours
Minimum time between coats	12 hours
Maximum overlay time	24 hours

COVERAGE

Dilution	Approx. coverage per 5 Litres of TEKPRIME
1 part neat TEKPRIME to 1 part water	85m ²
1 part neat TEKPRIME to 2 parts water	128m ²
1 part neat TEKPRIME to 3 parts water	170m ²

TOOLS REQUIRED

- Mixing bucket
- Stirring rod
- Squeegee or roller

Wash all tools thoroughly with water directly after use.

SURFACE PREPARATION

Before starting, all substrates must be sound, clean and dry. Remove all dust, dirt, laitance, oil, grease and other contaminants that may affect adhesion. In order to facilitate drying, a surface relative humidity of 75% or below is preferable. However, in some cases where moisture tolerant smoothing compounds or surface finishes are applied, a higher surface relative humidity may be tolerated, in which case refer to the relevant technical datasheet or seek technical advice.

Heavily contaminated floors may require special treatment, please seek specific technical advice.

Sub-floors directly to earth must have a DPM.

SUBSTRATES

TEKPRIME can be used on a variety of surfaces including: concrete, cement and calcium sulphate based screeds, sound asphalt, ceramic/quarry/stone tiles, plywood, chipboard, floorboard. See primer dilution table on page 3 of this datasheet.

MIXING AND APPLICATION

Shake container well before use. Select the appropriate dilution and if necessary add water to neat TEKPRIME and mix with a wooden stick or stirring rod. Apply evenly to the surface with a squeegee or roller; it is likely that more TEKPRIME will be required to obtain an even coverage if a roller is used. The primer should be spread well to avoid pooling. Allow the primer coat to fully dry and film form before overlaying. Allow approximately 1-2 hours in good conditions and avoid excessive trafficking prior to overlaying. Note the drying time will vary with the absorbency of the substrate, ambient temperature and relative humidity.

LIMITATIONS

The application of TEKPRIME should only be carried out when the floor temperature is 5 - 30°C and the ambient relative humidity is below 75%. These conditions should be maintained during application and drying.

WARNING

The information provided in this datasheet corresponds to the best of our knowledge and experience. Whilst it is true and accurate to the best of our knowledge, it may contain information which is unsuitable under certain circumstances since materials, site conditions and method of application vary with each application.

TEKCEM LTD cannot be held responsible for any loss or damage due to incorrect use or from the possibility of variations in working conditions and/or workmanship beyond our control. The user alone is responsible for any consequences deriving from the product.

HEALTH AND SAFETY

This product is not classified under the Chemicals Hazard Information and Packaging for Supply Regulations. A Material Safety Data Sheet relating to this product can be obtained from TEKCEM LTD. Please dispose of packaging and waste responsibly.

STORAGE AND SHELF LIFE

Twelve months in sealed containers and stored under good, cool and dry conditions not subjected to extremes of temperature.

Primer dilutions for the application of levellers, screeds or adhesives to various substrates

Substrate	Dilution	Number of coats
Concrete, cement based screeds and levellers	3 parts water to 1 part TEKPRIME	1 to 2 depending on absorbency
Power floated concrete / poor substrates	1 part water to 1 part TEKPRIME with cement and sand to form a brush-on bonding slurry	1
Plywood	1 part water to 1 part TEKPRIME	1
Chipboard	1 part water to 1 part TEKPRIME	1
Floorboards	1 part water to 1 part TEKPRIME	1
Exposed edges	Tight coat of neat TEKPRIME	1
Asphalt, ceramic, quarry tile, stone	1 part water to 1 part TEKPRIME with cement and sand to form a brush-on bonding slurry	1
Calcium sulphate based screed	3 parts water to 1 part TEKPRIME followed by a second coat of 3 parts water to 1 part TEKPRIME	2

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