

# TECHFIN METAL PRIMER

High Alkalinity Protection For Exposed Steel

Steel reinforcing that has been exposed to oxidation must be protected and the safest method to accomplish this is by replacing the alkalinity of the concrete which has spalled away. Techfin Metal Primer is a cementitious resin system with enhanced alkalinity to provide a shield which is necessary to re-instate the protection. Protected steel has sufficient alkalinity from the primer for an extended lifespan without spalling again.

## BENEFITS:


*Water-based.*

*Self-priming.*

*Extended open time.*

*Ease of application - brush applied.*

*Non-toxic and non-tainting.*

*Exceptional adhesion.*

*Economical.*

*Easy to clean.*

## TECHNICAL DETAILS

Appearance	Grey powder with pink liquid
Working Time	1 hour at 20 °C
Setting Time	40 - 45 minutes
Over-Coating Time	2 hours
Application Temperature	10 °C to 25 °C
Number of Coats	1 coat
Bridging Capability	Maximum 2 mm gaps
Yield	0.8 L per 1.4 kg kit
Coverage	0.5 m <sup>2</sup> per kit
Toxicity	Non-toxic, non-tainting

## PACKAGING

A two component kit consisting of a liquid and powder to be mixed as supplied.

## APPLICATION

- Suitable for any exposed reinforcing steel surfaces prior to plastering.
- For the use in concrete, brick or block floors and walls.
- Most applications where it is not feasible to remove or replace reinforcing still in good condition.

## WATCH POINTS

Techfin Metal Primer should not contact aluminum or galvanized surfaces.

## SHELF-LIFE

Powder: One year if kept in a closed container in a cool, dry place.

Liquid: Six months if kept in a closed container in a cool place.

## DIRECTIONS

### PREPARATION

Surfaces to be sand blasted or wire brushed clean and shiny, free of dust, oily residues and loose friable material. High pressure or grind off loose materials. Surfaces can be damp but not wet on application.

### PRIMING

Used as a primer.

### MIXING

Mix the liquid with the powder in the bucket provided to a slurry. Mix the slurry continually to keep the aggregate from settling while applying a liberal, even coating with a brush or to surfaces requiring priming. Ensure all surfaces are completely covered. Allow to dry for 2 hours prior to plastering over.

### SEALING

Not required. Surfaces are usually plastered or screeded closed.

## PRECAUTIONS

When plastering or screeding over the Techfin Metal Primer, ensure that air is not entrapped around the primer or around the reinforcing. Work out any air bubbles before allowing the screed or plaster to set in place.

## CLEANING

Clean all tools and equipment with water.

## STORAGE

Store the kit in a cool, dry place out of direct sunlight and where there is no exposure to damp and humidity.

## HEALTH AND SAFETY:

Wear gloves when working with this product. Avoid direct skin contact.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS Act No.85 of 1993. The finished system is not hazardous to health or the environment.

## WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.