TRUEPREP GALVANISED IRON PRIMER

TDS05-660

DESCRIPTION	A water based primer formulated on acrylic latex and designed for maximum adhesion and protection, to metallic substrates. Contains corrosion inhibitor.
TYPICAL USES	Recommended for use on Galvanised iron (chromated or not), zincalume, aluminium and steel. It may also be used on concrete and FRC (fibre reinforced concrete) surfaces. Can be over coated by most water based topcoats.
ENVIRONMENT	Exterior
PERFORMANCE	Has excellent adhesion to most surfaces. Includes inherent corrosion inhibitors to stop ongoing corrosion.
LIMITATIONS	Do not apply at temperatures below 10oC nor in direct sunlight. Always ensure the TRUEPREP GALVANISED IRON PRIMER has covered all of the substrate, before topcoats are applied. If collecting water for drinking, disconnect down pipes for duration of painting and ensure the dried film is well washed or left in the rain to allow all the migrating products to be flushed from the surface. (Usually, a foam can be seen in the early stages of washing). Mix product well before use as heavy anti corrosive pigments can settle out.
TECHNICAL DATA	Resin: Acrylic latex Product Type: GALVANISED IRON PRIMER Solvent: Water Colour: Light Grey Primer: Not applicable Durability: Good Thining and Clean Up: Water Pack Size: 01, .04, .10 VOC: 15 g/litre Vol Solids: 36 percent Touch Dry: 60 minutes @20°C Recoat Time: 2 Hours @20°C Number of Coats: 1 Theoretical Coverage: 12 m^2/litre/coat Wet Film Thickness: 100 microns Dry Film Thickness: 36 microns
AVAILABLE FINISHES @60°C	**Sheen** Matt
SPREAD RATE	10-12 - m^2/litre/coat Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.
PRODUCT CODES	05-660.01 05-660.04 05-660.10

SURFACE PREPARATION

Galvanised Steel and Zincalume-Aged Unpainted Good

If any areas of moss or mould infestation exist, treat them with TRUEPREP GREEN KILL, following instructions on TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and up to four weeks for sterilization before scrubbing or water-blasting for removal of the detritus. For heavy infestations, longer dwell time or additional applications may be required.

Clean down using TRUEPREP SURFACE CLEAN applying by pump spray or broom. Additional scrubbing will assist in the breakdown and removal of any difficult contamination. Refer to TDS for application and dilution rates. Water blast or thoroughly rinse with high volume water to remove all dirt, grease and surface contamination.

Inspect the substrate prior to applying any coating system to ensure there are no surface defects exists. Repair as required.

All areas of rust or corrosion must be abraded using wire brushes, sandpaper, or Ultra-high pressure water blast to remove so little or no corrosion is left on the surface. Treat the entire surface TRUEPREP RUST KILL to remove residual rust, white rust and remaining surface contaminants and clean the metal prior to painting. Rinse clean as per manufacturers recommendations. If the substrate is not passivated in this way, it is likely that corrosion will occur under the new paint film.

When dry immediately apply specified coating system to prevent any contamination or further corrosion.

Galvanised Steel and Zincalume-New Unpainted

Clean down using TRUEPREP SURFACE CLEAN by pump spray or brush. Additional scrubbing will assist in the breakdown and removal of any difficult contamination. Refer to TDS for application and dilution rates. Water blasting to remove all dirt, grease and contaminates.

Inspect the substrate prior to applying the first coat to ensure there is no contamination remaining and no surface defects exists. If there is either contaminants or defects are present, rectification process is required prior to any coating being applied.

All Laps and exposed overhangs, including those over guttering should be primed (or double primed if within 500m of the sea) before installation. These areas do not receive any rain-washing once installed and windblown salts and other contaminants lodge there. These are always the first areas of the roof to corrode.

Apply paint system immediately to prevent any contamination or further corrosion.

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Galvanised Steel and Zincalume-Previously Painted Good
If any areas of moss or mould infestation exist, treat them with TRUEPREP GREEN KILL, following instructions on TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and up to four weeks for sterilization before scrubbing or water-blasting for removal of the detritus. For heavy infestations, longer dwell time or additional applications may be required.

Clean down using TRUEPREP SURFACE CLEAN applying by pump spray or broom. Additional scrubbing will assist in the breakdown and removal of any difficult contamination. Refer to TDS for application and dilution rates. Water blast or thoroughly rinse with high volume water to remove all dirt, grease and surface contamination.

Inspect the substrate prior to applying any coating system to ensure there are no surface defects exists. Repair as required.

Perform a crosscut adhesion test to several places across all elevations where existing coating are present to validate adhesion of the existing coating prior to overcoating. It is also recommended to apply TEST AREAS of the specified paint system to several places across all elevations to validate adhesion of the system AND mitigate risk of blistering that may occur between bare galvanised iron and the factory applied primer, or previous coatings. Contact Cotec Technical if you have any concerns, or reference MPNZA fact sheet #44.

Any areas of rust or corrosion or where original coating is through to the metal, must be abraded using wire brush, sandpaper, or Ultra-high pressure water blast to remove so little or no corrosion is left on the surface. Treat the entire surface TRUEPREP RUST KILL to remove residual rust, white rust and remaining surface contaminants and clean the metal prior to painting. Rinse clean as per manufacturers recommendations. If the substrate is not passivated in this way, it is likely that corrosion will occur under the new paint film.

All areas must be free of loose or flaking paint, where the coating is eroded or powdery the surface must be abraded using wire brushes, sandpaper or high-pressure water blast to ensure the best adhesion of the new paint. Feather all edges.

Any areas that are shiny (original gloss level) such as shaded areas must be sanded to knock the gloss and provide a key.

Do not expect paint to successfully bridge gaps and cracks.
Apply coat one immediately to prevent any contamination or further corrosion.

APPLICATION

For corrugated iron add about 35% to the measured length x width, to get total flat area to be painted. For long run roofing add about 45%.

Apply by Brush, Roller or Spray.

Stir thoroughly with a wide flat stirrer before and during use as the anticorrosive pigments have a tendency to settle. Exterior applications, e.g. roofs, are generally over coated with roof paints, but the TRUEPREP GALVANISED IRON PRIMER can be left uncoated for 3-6 months before being coated. Wash down thoroughly before coating however.

THINNING

Thinning not normally necessary. If spraying, maximum thinning is 0.5 Cotec spray thinners per 10 litres of paint.

ENVIRONMENTAL

This formulation uses the latest technology with low toxicity, ensuring environmental issues are not compromised. DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET

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