TRUEPREP DTM PRIMER

TDS05-600

DESCRIPTION	A waterborne direct-to-metal zinc free anticorrosive primer with excellent adhesion to galvanised iron, steel, Zincalume, aluminium and other metals. A general industrial primer for light to medium wear industrial applications. With excellent adhesion and fast set-up time, this product is an excellent replacement for solvent-borne metal primers. It will not work satisfactorily over rust.
TYPICAL USES	With excellent adhesion and corrosion protection, TRUEPREP DTM PRIMER is especially designed to protect metal surfaces. Can be applied to all cleaned galvanized iron, steel, wrought iron and other metals, prior to coating with COTEC topcoats.
ENVIRONMENT	Exterior
PERFORMANCE	This is a premium, single-pack, waterborne system. The fast initial-cure allows TRUEPREP DTM PRIMER to be handled and recoated much faster than conventional solvent-borne coatings, whilst providing excellent adhesion and corrosion resistance.
LIMITATIONS	This is a waterborne product, which is expected to be applied over clean, sound, well-degreased surfaces. Any rust must be treated with a tannic acid based rust converter prior to coating. Always mix well before use. Do not paint at temperatures below 10oC, or when the temperature may fall below 10oC during the drying period. Avoid painting outside if rain is imminent. Rain or dew may damage the film during the drying period.
TECHNICAL DATA	Resin: Acrylic Co-polymer Product Type: direct-to-metal zinc free anticorrosive primer Solvent: Water Appearance: Light Grey Colour: Light Grey Primer: Not applicable Durability: Excellent Thining and Clean Up: Water Pack Size: 01, 04, .10 VOC: 27 g/litre Vol Solids: 36 percent Touch Dry: 60 minutes @20°C Recoat Time: 2 Hours @20°C Number of Coats: 2 Theoretical Coverage: 12 m^2/litre/coat Wet Film Thickness: 100 microns Dry Film Thickness: 36 microns
AVAILABLE FINISHES @60°C	**Sheen** Flat
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	05-600.01 05-600.04 05-600.10
SURFACE PREPARATION	**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.

Non-Ferrous Metals-Aged Unpainted Good
If any areas of moss or mould infestation exist, treat them with our Trueprep Green Kill as per our TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and preferably a week for sterilization before scrubbing or water-blasting for removal of the detritus.
For heavy infestations, an additional application may be needed.

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 flaking paint, dirt, grease and contaminates. Allow to fully dry and test the surface has been degreased by wiping with clean cotton wool to ensure there is no residue. Repeat the process if necessary.

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

If there is any surface rust, wet sand the corroded areas and remove aluminium oxide layer. This will provide a better key for specified coating systems. Any pitted areas should also be wet sanded to a smooth finish. If there are sharp edges on the aluminium profile, this should be rounded off, to allow better adhesion and coating film build if possible.

Non-Ferrous Metals-New Unpainted
All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEAN - A powerful water based, biodegradable, degreaser. Formulated to remove grease and other contaminants. Refer to the TDS for all general information and application.
Allow to fully dry and test the surface has been degreased by wiping with clean cotton wool to ensure there is no residue. Repeat the process if necessary.

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

Non-Ferrous Metals-Previously Painted Good
If any areas of moss or mould infestation exist, treat them with our Trueprep Green Kill as per our TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and preferably a week for sterilization before scrubbing or water-blasting for removal of the detritus.
For heavy infestations, an additional application may be needed.

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 flaking paint, dirt, grease and contaminates. Allow to fully dry and test the surface has been degreased by wiping with clean cotton wool to ensure there is no residue.

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

Power tool clean to remove all loose paint, rust, and any other loose particles. Ensure that you feather all edges of existing paint to help achieve a relatively smooth finish for your primers and topcoats. Ensure when operating your power tool, avoid doing cuts, burrs and sharp ridges.

If there is evidence of rust, apply our TRUEPREP RUST KILL as per our TDS for application and all PPE gear requirements.

Apply our Specified Primer immediately to prevent any contamination or further corrosion.

COATING TECHNOLOGIES LIMITED
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Galvanised Steel and Zincalume-Aged Unpainted Poor
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.

Check to ensure all rusted areas have been passivated to a clean rust-free surface. If not repeat the treatment to affected areas.

When dry immediately apply Specified Primer to prevent any contamination or further corrosion.

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

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Galvanised Steel and Zincalume-Previously Painted Good
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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.

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

Generally, poorly adhered coatings will be required to be removed prior to painting.

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.

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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.

Any badly rusted sections of Galvanised steel should be replaced.

APPLICATION

Stir well before application. Apply 2 coats, allowing a minimum of 90 minutes dry time between coats.
Brush/Roller: Use product as supplied.
Roller: Use an 8-12mm nap dacron roller.
Spray: Airless spraying is recommended. Pressure 2,500psi max and a 209 tip for detailed work and 413 tip for general application. Add up to 5% potable water if necessary. Best performance is achieved by an initial low-build pass (tack coat), followed by a full spray of finish coat.

THINNING

Water

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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