



High Performance Paint Product Data Sheet



TUFF COTE DTM PRIMER

05-600 MAR 20



DESCRIPTION: A waterborne direct-to-metal anticorrosive primer with excellent adhesion to galvanised iron, steel, Zinalume, 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, TUFF COTE 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.

PERFORMANCE: This is a premium, single-pack, waterborne system. The fast initial-cure allows TUFF COTE 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 as heavy anti-corrosive pigments can settle.

Do not paint at temperatures below 10°C, or when the temperature may fall below 10°C 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
Solvent:	Water
Finish:	Flat
Colour:	Light Grey
Touch Dry (minimum):	60 min @ 25°C
Recoat Time (minimum):	90 min @ 25°C
Primer:	See over
Number of Coats:	2
Dry Film Thickness:	30-36 microns at 12-10 m ² /litre
Wet Film Thickness:	85-100 microns at 12-10 m ² /litre
Durability:	
Thinning and Clean Up:	Water
VOC:	27 g/litre
Pot Life:	Not Applicable
Pack Size:	1, 4, 10 Litre

SPREAD RATE:

Theoretical Coverage: 10-12 m²/litre/coat.
Apply 2 coats.

Coverage depends on surface profile and porosity.

COMPUTER CODES:

Tuff Cote DTM Primer 05-600

Coating Technologies Limited, 10 Andromeda Crescent, East Tamaki, Auckland 2013, New Zealand

Phone: 0064 9 837 0897 www.cotec.co.nz

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SURFACE PREPARATION:

(Refer to "Surface Preparation and Paint Systems" for full details). To ensure a successful application all surfaces to be coated must be clean, dry and stable.

Note: Commencement of work on a surface means in general you accept that surface. If any doubt about condition etc seek advice.

STEEL/IRON:

NEW: Remove all grease and oil by wiping with mineral turps.

OLD/RUSTED: Remove rust scale by scraping, sanding, wire-brushing or sand-blasting. Wipe surface with mineral turps to remove residual rust, grease, oil and dirt. Treat surface with a tannic acid based rust converter as per manufacturer's instructions.

GALVANISED IRON/ZINCALUME:

Galvanised iron sheets that are lapped must be coated in the lap areas to stop corrosion.

NEW: New galvanised iron has an oil/grease coating from roll forming and it must be removed before coating.

This can be done by leaving the roof exposed to the elements for 3 months before painting, or by using a suitable *roof wash* solution.

OLD: Wash all area with a suitable *roof wash* solution. Areas of rust must be wire-brushed, and treated with rust converter. Wash area thoroughly and allow to dry.

If roofs are being used for collection of drinking water, it is strongly recommended that roof down pipes are disconnected until after the first major rainfall event ($\geq 10\text{mm}$).

ALUMINIUM:

Lightly sand to remove oxidation. Remove all grease and oil by wiping with mineral turps.

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 & CLEAN UP:

Maximum thinning is 5%. Clean up with water and detergent.

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.