

# PRODUCT TECHNICAL DATA SHEET



PDS No: 9066

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## Product Details

**Product Code:**

**Product Name:** DTM (direct to metal) Topcoat

**Other Name(s):** Waterborne direct to metal topcoat

## Description

A direct to metal top coat coating that forms hard, impact resistant films with high water, salt spray and mineral spirit resistance. Has anti-corrosive properties and superior adhesion to new galvanized iron. Excellent adhesion to galvanized metal and bare iron/steel. Can be used on wood.

### Uses

May be used on suitably prepared:

- Aluminium
- Galvanized Iron
- Zincalume
- Wood

## Features and Benefits

- Quick dry time, and early water and block resistance
- Excellent durability and gloss retention
- Exceptional intercoat adhesion
- Excellent flexibility
- Resists dirt pick up
- Suitable for potable water
- 100% acrylic polymer composition.
- Excellent adhesion to galvanized iron, bare iron/steel.
- Low Odor.
- Good water resistance.
- Resistance to "flash" rusting corrosion and very good block resistance.
- Excellent UV and weathering resistance.

## Limitations and Precautions

- Should not be applied if temperatures are below 5°C
- Dry time may be impeded if the relative humidity is high

# PRODUCT TECHNICAL DATA SHEET



PDS No: 9066

## Physical Properties

<b>Resin Type</b>	Styrene / Acrylic Emulsion
<b>Pigmentation</b>	Titanium Dioxide and Inert Extenders
<b>Colour</b>	White and APCO Colour World colours or Custom Colours
<b>Gloss at 60° viewer</b>	2 -6% (Low Sheen)
Typical gloss terminology:	
Full gloss	85% – 100%
Gloss	60% – 84%
Semi-gloss	20% – 59%
Low sheen	5% – 19%
Flat	0% – 4%
<b>Specific Gravity(Kg/Ltr)</b>	1.2 – 1.3
<b>Coverage (m<sup>2</sup>/Ltr)</b>	12 - 14
<b>No. of coats</b>	1 – 2 Coats (as required)
<b>Dry Times(at 20°C and 60%RH)*</b>	1 hour (touch dry)
*(cooler temperatures, higher film thickness and higher humidity can extend the drying time)	
<b>Recoat time</b>	2 hrs
<b>Flash Point</b>	Not applicable
<b>Packaging Sizes</b>	10L,4L
<b>Thinner and cleanup</b>	Water
<b>Theoretical VOC(g/Ltr)</b>	25

## Surface Preparation

Ensure surfaces are free from loose or flaky paint. Wash surfaces with Bio Wash. Wash prior to painting to remove oil, grease, dirt, mould and other contaminants. Remove all dirt, dust, grease, mould or any other form of contamination from the surface.

Fill cracks and imperfections with a suitable filler and spot prime

Previously painted surfaces should be sanded(180-20 grit sandpaper)to remove loose or flaking paint and to reduce the previous film to a flat finish.

## Undercoat Requirements

None

## Application and Process

DTM Coating may be applied by synthetic brush, roller or spray.

Airless Spray - a 415 or 417 tip is recommended for weatherboards and smooth surfaces, and a 517 tip is recommended for textured surfaces, followed by back-rolling.

### Weatherboards - pre primed

- Apply 2 coats of Container Coating White, allowing 2 hours between coats

### New Timber

## PRODUCT TECHNICAL DATA SHEET

PDS No: 9066

- Apply 1 coat of Aquaprep or Container Coating White, allowing 2 hours before recoating
- Apply 2 coats of Container Coating White, allowing 2 hours between coats

### Repaints

- Sand existing paint work and spot prime bare wood with Aquaprep or Container Coating White
- Apply 2 coats of Container Coating White, allowing 2 hours between coats

## Health and Safety

- Please refer to Safety Data Sheet before use
- Use in well ventilated areas

### First Aid:

- Eyes and Skin irritation – Wash with large amounts of fresh running water
- If swallowed – drink 2-3 glasses of water and seek appropriate medical advice.
- Inhalation-In case of exposure to high vapour concentration leading to dizziness,nausea,headache ,move the person to fresh air environment and consult a doctor

DTM Coating is a water reducible non toxic coating. It is non flammable and requires no specific handling. We recommend the use of a barrier cream for hands when applying.

Transport	:	UN No. : 1263
Class	:	N/A
Hazchem	:	N/A

## Storage

Avoid freezing or temperatures in excess of 50°C  
Self Life 12 Months

## Spillage and Disposal

Use rags or sawdust to contain any spill and then dispose of through a commercial waste disposal organisation.

# PRODUCT TECHNICAL DATA SHEET



PDS No: 9066

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*Please refer to the updated versions of Safety data sheet(SDS) and Technical Data sheet (TDS) before using any **APCO** Product.*

**KEEP OUT OF REACH OF CHILDREN**

**APCO Coatings (NZ) Limited**

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