

## THE TECHNICAL STUFF

Formulated for inland environments where exposure to salt spray is not a predominant factor, DTM+33 is ideal for residential and light commercial applications. This variant is perfectly suited for a wide array of metal surfaces, including gates, fences, railings, balustrades, handrails, doors, windows, burglar bars, trims, shutters, garage doors, outdoor furniture, playground equipment, lighting fixtures, piping, farm implements, machinery, and storage tanks.

### BENEFITS:

- ✓ **Direct Application** Over Existing Rust: Functions effectively as a rust converter, eliminating the need for extensive rust removal.
- ✓ **Eco-Friendly Formulation:** A V.O.C (Volatile Organic Compound) free, waterbased solution, ensuring minimal environmental impact.
- ✓ **Exceptional Corrosion Protection:** Achieves Category "C5" classification according to DIN EN ISO 12944-6:2018-06, signifying superior corrosion resistance.
- ✓ **Excellent Intercoat Adhesion** and Blocking Resistance: Ensures robust layering and prevents unwanted adhesion between coated surfaces.
- ✓ **Time-Efficient One-Coat System:** Combines primer and topcoat functionalities into a single application, significantly reducing labour and drying times.
- ✓ **Enhanced Security:** Provides maximum corrosion protection performance, safeguarding metal assets.
- ✓ **Reduced Weight:** Achieves effective protection with a lower dry film thickness, contributing to reduced overall weight.
- ✓ **Extended Protection:** Offers up to 25 years of reliable protection.
- ✓ **Water Repellent:** Forms a barrier against moisture, preventing water ingress.
- ✓ **Dirt Pick-Up Resistance:** Minimizes the accumulation of dirt and grime, maintaining a cleaner appearance.
- ✓ **Washable:** Resists common household chemicals and stains, allowing for easy cleaning and maintenance.

### HOW TO USE

#### PREPARATION:

Very low odour and V.O.C free, but make sure to wear protective gear – especially gloves.

Prepare your surface as recommended. Making sure it is clean and free from any dirt, oil, dust etc.

Temperature: minimum 10°C maximum 42°C

Air, surface, and material At least -15°C above dew point.

Relative humidity: 85% maximum

The above is merely a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

#### MIXING:

Brush On Application: No dilution is required, but if needed can be diluted by 10% with De-Ionised Water.

Spray Application: Dilute between 10 and 15% with De-Ionised Water.

<b>APPLICATION:</b>	<b>Airless Spraying:</b>	Pressure 2000 p.s.i. Hose 1/4 inch I.D. Tip .015 - .019 inch Filter - 60 mesh
	<b>Conventional Spray:</b>	Gun Binks 95 Fluid Nozzle 66 Air Nozzle 63 PB Atomization Pressure 60 p.s.i. Fluid Pressure 25 p.s.i.
	<b>Brushing:</b>	<b>Nylon-polyester</b>
	<b>Rolling:</b>	<b>3/8 inch woven</b>
<b>COATS:</b>	<p>Depending on your desired film thickness – two coats are normally sufficient. DTM+ naturally has a higher film density compared to competitive products.</p> <p>For severe rust, apply one or two coats of DTM Rust Converter, before applying one to two coats of DTM Inland / Coastal.</p>	
<b>COVERAGE:</b>	10 – 15m2 per litre on one coat.	
<b>CURING:</b>	Your surface will be touch dry in approx. 30 mins depending on your environmental factors and 80% cured in 4 hours. Full cure is normally reached within 12 hours.	
<b>CLEANING:</b>	Submerge all brushes, rollers, Spray tips and nozzles in water. Soak for a couple of hours and rinse clean under running water.	

TECHNICAL INFO: DTM	
Drying Time:	30mins
Full Cure:	12 Hours
Spread Rate:	10-15 Sqm / L
Application Temperature Range:	minimum 10°C maximum 42°C
Application Humidity Range:	85% Max
Reducer:	Deionised Water
Ratio:	5-10%



STOAGE	
Shelve life on DTM	24 Months unopened
<p>The recommended temperature-range for storage is 5 - 30°C. Freezing or storage at higher temperatures than 30°C, can affect the viscosity or the average particle size and finally lead to a sedimentation or coagulation.</p>	
TECHNICAL PROPERTIES: DTM	
Colour:	Variable
Multi Phase	Yes
Self Crosslinking:	Yes
pH Value	8.0 – 9.0
Solids content	46 – 48%