

DTM

Direct To Metal

DTM (Direct To Metal) represents a revolutionary advancement in protective coatings, offering a comprehensive solution for metal surfaces. This innovative, water-based acrylic and urethane coating is engineered to provide superior protection and aesthetic appeal without the prerequisite of traditional primers. Its unique formulation incorporates advanced rust-inhibiting technology, enabling direct application onto rusted metals, thereby streamlining the preparation process and enhancing efficiency.

DTM is a direct to metal coating, acting as a primer, anti-rust coating and an attractive topcoat all in one.

DTM's product range includes:

DTM33 - DTM Inland - Formulated for inland environments where exposure to salt spray is not a predominant factor, DTM33 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.

DTM03 - DTM Coastal - Specifically engineered to endure the harsh conditions prevalent in coastal regions, DTM03 offers exceptional resistance to salt spray, providing robust protection for up to 25 years. Coastal environments pose significant challenges to metal integrity due to accelerated corrosion induced by salt spray.

NEGATIVE EFFECTS OF SALT SPRAY ON METAL INCLUDES:

- Accelerated Corrosion - Salt dissolves in moisture, creating an electrolyte that accelerates the corrosion process.
- Pitting Corrosion
- Surface Degradation - metals develop white salt deposits, tarnish or rust streaks.
- Coating Breakdown - conventional coatings start blistering and salt creeps in underneath.
- Loss of material strength - as corrosion progresses, the cross sectional thickness of metal decreases.
- Fastener Failure - Bolts, screws and joints exposed to salt spray often seize up, weaken or snap.

DTM20 - DTM Galvanised - DTM20 is specifically formulated to extend the benefits of DTM coatings to galvanized metals. Galvanized surfaces necessitate specialized coatings to ensure optimal adhesion and superior corrosion protection. DTM20 has undergone rigorous testing and demonstrated outstanding performance on galvanized steel, ensuring long-lasting durability and protection.

KEY BENEFITS OFFERED BY DTM

DTM coatings offer a multitude of advantages, making them an unparalleled choice for metal protection:

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.

APPLICATION GUIDELINES . . .

For optimal results and maximum durability, adhere to the following application guidelines:

1. Surface Preparation: Thoroughly clean all oily and new metal surfaces using Liquid Armour's Metal Cleaner, Acetone, or Alcohol.
2. Rust Removal: Remove all loose and flaking rust with a wire brush to ensure a stable substrate for coating application.
3. Coating Application: Apply a minimum of three coats to achieve optimal durability and strength.
4. Drying Time: Allow approximately 15 minutes of drying time between coats. Ensure the previous coat is touch dry before applying the subsequent layer.
5. Curing Time: The coated surface should be dry and ready for use within two hours after the final coat application.

Upon curing, DTM coatings yield a beautiful, hard-wearing sheen finish, providing exceptional protection and an aesthetically pleasing appearance. The ability to apply directly over rusted metal without the need for a primer further underscores the efficiency and convenience of DTM solutions.



PACK SIZES INCLUDE:

1L , 5L, & 20L