



TECHNICAL DATA SHEET.

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name: STEEL PROOF
Product type: Semi hard anti-corrosion waxy coating for ferrous and non ferrous metals designed to meet MIL-C-16173D-4 for automotive cavity protection and for protection of steel in severe salt exposure environments

1.2 Company: D. Adam & Associates / ACTEL Coatings
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2. TECHNICAL DATA

- 2.1 STORAGE: Store securely in original labelled containers away from oxidisers, naked flames and sources of ignition.
- 2.2 APPLICATION: Apply by spray, brush or roller at 80 μ . to give 40 μ . d.f.t :Do not apply other coating materials or paints to surfaces which have been protected by Steel Proof without complete removal of the product by solvent degreasing.
- 2.4 DRYING TIME: 4 to 6 hours, very dependent on the drying conditions and w.f.t.
- 2.5 COVERAGE: Theoretical - up to 10 sq. metres per litre.
Practical - 5 to 8 sq. metres per litre.
- 2.6 PACK SIZE: 5, 25 litres and 200 litre steel drums
- 2.7 DRY FILM: 40 μ To give 1000+ hours salt fog resistance per ASTM-B 117
- 2.8 FLASH POINT: 43°C.
- 2.9 SPECIFICATION: Complies with MIL-C-83933A(MR) and MIL-C-62218 for rust preventative compounds for steelwork and MIL-C-16173D-4 for motor vehicle cavity protection
- 2.10 FIRE RESISTANCE: Does not support combustion after the flame source is removed
- 2.11 FLEXIBILITY: Coating will not crack, peel or chip when bent 180° around a mandrel 3/16 inch in diameter which has been cooled to -10°F
- 2.12 STABILITY: Normally stable. Keep away from strong oxidising agents. Fire of bulk wet product creates Carbon Monoxide and Carbon Dioxide vapours.
- 2.13 OPERATING TEMPERATURES: -50oC to +150oC

2.14	CORROSION TESTS:	Salt fog resistance ASTM-B 117	1100 hours + at 40μ
		Salt water immersion	Passes
		Creep penetration after 7 days	Passes

3. PREPARATION

- 3.1 Steel Proof is supplied ready to use. Stir well before use. DO NOT THIN.
- 3.2 Ensure proper ventilation in confined areas.
- 3.3 Surfaces should be clean and free from surface dirt, dust, grease and any corrosion products.
- 3.4 Weathered steel should be high pressure water or wet abrasive blasted to SSOC-SP6.
- 3.5 Best results are achieved on rusted areas if they are first passivated by treating with Envirosteel or Navy Steel.

4. APPLICATION

- 4.1 Major applications include:
 - steel structures box sections
 - preservative film during metal seam welding
 - auto under-body coatings
 - heavy duty coatings for steelwork exposed to severe salt weathering
 - preservative and mould release wax for light weight concrete formwork
 - transit coating for protection of steel plant and equipment shipped across different climate zones
- 4.2 Steel Proof should preferably be stored at room temperature (20°C/68°F) for 24 hours before use. Steel Proof can be applied by brush or roller. For spray application, thin Steel Proof with white spirit.
- 4.3 Nominal coverage rates of 10m² per litre are possible on smooth surfaces. Actual coverage will be determined by the profile of the substrate to be coated and the dry film thickness specified.
- 4.4 Steel Proof will normally be touch dry within 4 hours depending on the temperature and humidity. Cooler temperatures delay curing.
- 4.5 Wash brushes and equipment with white spirit immediately after use. Clean spray lines with white spirit before Steel Proof dries.

5. HEALTH AND SAFETY

This product is flammable with a Flash Point of 43°C. Please ensure that operators read and understand the Health and Safety Data Sheet before using this material.

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