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 Clarendon, 17 High Cross Avenue, Melrose TD6 9SQ Scotland, U.K. Tel: +44 (0) 189682697 Mob 07880 805478 E: dougadam@globalnet.co.uk www.enviroguard-anti-graffiti.co.uk

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 80μ. to give 40μ. 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:	40μ 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 $10m^2$ 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.

Revision dated 20th September 2010