



DESCRIPTION

- a high performance self-phosphating, single pack anti-corrosive coating for mild steel

PRINCIPAL CHARACTERISTICS

- excellent adhesion to correctly prepared mild steel
- excellent corrosion resistance
- excellent resistance to undercutting
- fast drying
- ideal for automotive under-body and under-bonnet parts

Note: We advise that you test this product to determine if it is suitable for your particular use.

COLOURS AND GLOSS

- black, satin

BASIC DATA AT 25°C and 50% RELATIVE HUMIDITY

- vehicle type synthetic resin
- typical film thickness (per coat) 25 microns (dry), 150 microns (wet)
- solids content approx. 17% by volume
- theoretical spreading rate 7m²/L for 25 microns (dry)
- touch dry..... 20-30 minutes
- force dry 10 minutes at 100°C
- hard dry 24 hours
- shelf life (cool and dry place) at least 12 months in unopened container

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURE

- best coating performance will be obtained with the highest degree of surface preparation
- degrease thoroughly to remove all oil, grease and other surface contaminants
- mild steel; remove all rust and any loose material by wire brush or mechanical sander
- must be applied directly to mild steel, not suitable for application over existing coatings
- substrate temperature shall be at least 3°C above dew point
- relative humidity should not exceed 85%

INSTRUCTIONS FOR USE

- stir thoroughly with a flat-bladed or mechanical stirrer before, and during use
- apply one double coat by conventional or airless spray
- may also be applied by dipping
- the temperature of the paint must be above 15°C, otherwise extra thinner may be required to obtain application viscosity
- do not topcoat
- adequate ventilation must be continuously maintained during application and curing
- for recommendations outside those contained in this data sheet, refer to Watty!



APPLICATION

- AIRLESS SPRAY
 - recommended thinner Industrial Universal Thinner
 - volume of thinner up to 10%
 - nozzle orifice..... approximately 0.33mm (0.013 inch)
 - nozzle pressure 12 Mpa (1700 psi)
- AIR SPRAY
 - recommended thinner Industrial Universal Thinner
 - volume of thinner up to 15%
 - nozzle orifice..... 1.2 - 2.0 mm
 - nozzle pressure 350 - 450 kPa (50-60 psi)
- CLEANING SOLVENT Industrial Universal Thinner

SAFETY PRECAUTIONS

- flammable. Avoid contact with heat and naked flame
- avoid contact with skin and eyes
- use gloves, mask and goggles during application
- provide adequate ventilation when using in confined spaces
- this product is intended for use in industrial situations by professional applicators in accordance with the advice given on this sheet. All work involving the use and application of this product should be carried out in compliance with all relevant Health, Safety & Environmental standards and regulations and must not be used without reference to the Material Safety Data Sheet (MSDS)

PERFORMANCE DATA

When correctly applied, Techcote 3000 is capable of complying with many of the requirements listed in the following specifications: Nissan (EPS.001), Ford (ESB-FM2P28-A, ESE-M2P10-A and ESE-M1J61-B), GMH (HN1263), GMH (HN1611), General Motors (GM4350M), Toyota (TSH9101Y). The following tests were carried out on the coating applied at 40 microns (dft), and air-dried:

Test	Result
Salt spray	No blisters or rusting, and less than 1mm undercutting along score-lines, after 500 hours exposure on degreased steel
Oil immersion	No effect after 100 hours at 65°C
Water immersion	No blistering or rusting, and only slight surface softening, after 500 hours at 40°C
Heat resistance	No blistering or peeling, and only very light loss of gloss, after 5 cycles of 8 hours at 150°C, followed by 16 hours at ambient temperature
Coolant resistance	No effect after immersion for 1 hour at 70°C
Thermal shock	No effect after 5 cycles of 4 hours at 200°C followed by quenching in cold water
Petrol resistance	No effect after 1 hour at 23°C

PACKAGING

20 litres

For the most up to date information contact Wattyl Customer Service Hotline or visit the Wattyl Website.

CUSTOMER SERVICE HOTLINE
WEBSITE

Australia
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