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**PRODUCT DATA SHEET**  
**COROGUARD**  
**SINGLE COMPONENT POLYURETHANE PROTECTIVE COATING**

**DESCRIPTION:** CoroGuard is an Isocyanate, single component corrosion inhibiting polyurethane protective coating

**USAGE:** Intended for use as a protective coating to be applied directly to steel and concrete or for application over suitable primers.

**COLOR:** Black, Grey, or Aluminium

**PHYSICAL PROPERTIES**

**CHEMICAL RESISTANCE:** Good solvent, acid, alkali and salt resistance. Has limited corrosion inhibitive properties.

**HARDNESS:** Forms a tough, resilient, abrasion resistant film.

**WEATHERABILITY:** Excellent durability. Moderate gloss retention.

**WATER VAPOUR PERMEABILITY:** Cures to form a solvent and vapour resistant film.

**TOXICITY:** Contains solvents, which require ventilation of solvent vapours during application. Contains approx. 20% of a polyisocyanate which may be irritating to the skin and is toxic if inhaled as particulate matter. Any material contacting the skin should be neutralized by washing with generous quantities of water. Spray application can lead to inhalation of particulate matter consequently, a respirator is required for spray application.

**ADHESION:** Excellent adhesion to metals, concrete, masonry and most coating and plastic materials.

**LIQUID COMPONENT PROPERTIES**

**SOLIDS:** Weight: 75-80% (depending on colour)  
Volume: 70  $\pm$  1%

**FLASH**

**POINT:** Above 106<sup>o</sup> F. (41<sup>o</sup> C) T.O.C.

**COVERAGE:** Coverage on rough or porous surfaces may be as low as 150 sq.ft. per gallon (one gal/sq.) and on smooth surfaces up to 300 sq.ft. per gallon.

**STORAGE**

**STABILITY:** Six months in original unopened containers. Material may gel if not kept tightly sealed or if exposed to moisture. Normally, containers should be used up on a job or within one week after originally being opened.

**CLEANING:** Clean equipment with Toluene, Xylene or M.E.K.

**APPLICATION**

Apply to clean, dry and oil free surfaces at 200 – 300 sq.ft. per gallon (4.9 – 7.4 sq.meters per litre) This will yield 3.7 – 5.56 mils dry film thickness (93 – 142 microns) CoroGuard can be sprayed using conventional equipment but the applicator must take precautions against inhalation of particulate matter. Use of proper respirator is necessary. Do not heat CoroGuard before or during spray application. Additional coats may be applied as soon as the previous coat is firm, and preferably, within eight hours. After 24 hours inter-coat adhesion can be poor. Freezing temperatures will extend this recoat time up to 72 hours, due to the slow down in cure.

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