



ElastoGard Armouring Top Coat

Product Description

ElastoGard Armouring Top Coat is a single component polyurethane membrane formulated for use over the PCS PetroGard, SteelGard, PetroCote and MarineGard corrosion protection systems. It substitutes for PetroGard Overwrap Tape in above ground applications.

Product Characteristics

ElastoGard Armouring Top Coat exhibits outstanding resistance to UV and mechanically armours the underlying PetroGard or PetroCote corrosion protection system.

Product Uses

Pipeline: Above ground pipe and fittings.
Other: Armouring Top Coat for the PCS MarineGard and SteelGard corrosion protection systems.
Waterproofing membrane, compatible with metal, concrete, compressed fiber cement sheets or timber surfaces.

Product Application

Surfaces must be sound, dry, clean and free from loose materials and oil. Protrusions, which may penetrate the membrane must be removed. Must not be applied on wet or damp surfaces.

A layer of diluted ElastoGard Armouring Top Coat (diluted to 10% with xylene) can be used as a primer for dry/contaminant free concrete. The use of an epoxy primer is recommended in case of high porosity or wet concrete (humidity >5%). Compatibility of the primer with the membrane must be checked prior to application. Dilution with any solvent other than xylene is not permitted.

Application: Apply the initial coating of ElastoGard Armouring Top Coat using brush or roller to the desired thickness.

- Two coats of 900 g/m² (approx. 675 µm on a film thickness gauge) are required to achieve dry film thickness of 1 mm.
- Two coats of 1050 g/m² (approx. 790 µm on a film thickness gauge) are required to achieve a dry film thickness of 1.2 mm.

For vertical application, a coverage rate of 900 g/m² is required to avoid sagging.

Recoating: ElastoGard Armouring Top Coat may be recoated with a second layer of the coating after one night and within two days. In case of rain or if the recoating window is exceeded, substrate should be roughened (mechanically).

Equipment can be cleaned with xylene, mineral turps, or methylated spirits.

IMPORTANT

All statements and data presented herein are given in good faith and believed to be appropriate and reliable. It is given without express or implied warrant or guarantee. Potential users of our materials are urged to conduct confirmatory trials to satisfy themselves as to the suitability of the selected product for their particular end use, prior to purchase.

Product Properties

Property	Test Method	Value
Curing Time	-	16 h (overnight)
Density (liquid)	ASTM D1475-13	1.30-1.35 g/cm ³
Density (cured)	AS 1683.4	1.40-1.45 g/cm ³
Viscosity @ 30 rpm	Brookfield	12,000 – 18,000 cP
Hardness	AS 1683.15.2	70 (Shore A)
Angle Tear Strength	AS 1683.12	20 kg/cm
Tensile Strength	AS 1683.11	6 MPa
Elongation	AS 1683.11	300%
Non-volatiles	ASTM D2369-10	81%
VOC Content	ASTM D2369-10	250 g/L
Substrate Temperature		+5 to +35 °C
Service Temperature		-20 to +80 °C
Storage Temperatures		+5 to +35 °C
Shelf Life		≥9 months*

* Moisture sensitive product. Store in a cool, dry area away from heat and direct sunlight in tightly sealed containers. Keep away from oxidising agents.

Product Packaging

Part No.	Weight	Colour
PCSE1.6	4 L	Grey

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