

Description

Archo-Rigidon 300E is a 2 component lining system for use in crude oil and refined petroleum product storage tanks. Also suitable for lining concrete sludge tanks, sewage and waste water tanks.

It may be applied by brush, roller or airless spray. It is formulated from a modified Epoxy resin and contains glass flakes.

Quick drying stripe coats are applied to all sharp areas allowing over coating after 2/3 hours.

Principal Characteristics

- * Excellent corrosion resistance
- * Very low permeability
- * Very good application properties
- * Medium temperature tolerance
- * Excellent undercutting resistance

Corrosion and Temperature Resistance

Archco-Rigidon 300E is resistant to crude oil, petroleum products such as Gasoline, Diesoline, Kerosene and Cycloaliphatic solvents, up to 50 °C under immersed conditions. Also resistant to most dilute acids and alkalis.

Suggested Uses

300E is used for lining petroleum storage Tanks. (With or without fiberglass reinforcing).

How to Order

A full material system may be ordered by simply Specifying **Archco-Rigidon 300E, 2 or 3 coat system.**

Contact **Archco-Rigidon** engineers for further information.

*Practical Spread Rates

The above practical spread rates only allow for nominal wastage which occurs during application of the products.

The appropriate wastage allowance must be made by the applicator depending on the site circumstances (e.g. Method of application, overspray, etc.). Denso SA cannot be held responsible for any excess usage by the applicator for whatsoever reason.

ARCHO-RIGIDON 300E EPOXY		
Operating Temperature Range (Immersed)		Min. - 20 °C Max. + 50 °C
Application Method		Brush, roller, airless spray
Colour	Stripe	Black
	Intermediate	Cream
	Top	Light Green
Surface Preparation (Steel) (Concrete)		Grit Blast Sa2½ Sweep Blast
Volume Solids		100 %
Hardener Type		Cycloaliphatic Amine adduct
Mixing Ratio		4 : 1 By Weight 14 : 5 By Volume
Pot Life		55 min @ 25 °C
Dry Film Thickness per coat		0.300mm
Airless Spray Tip Size		0.023" - 0.035" 575-875µ
Pressure at Tip		2500-5000psi 245-350kg/cm ²
Min Substrate Temp.		+ 5 °C
Max Humidity During Application		90 % Rh
Min Dewpoint/Substrate Differential		Dewpoint + 3 °C
Flash Point		112 °C
Overcoating Times	Stripe	2 - 3 hours @ 20 °C
	Int/ Top	6 - 8 hours @ 20 °C
Maximum Overcoating Time		48 hours @ 20 °C
Thinners		300E Thinners
Storage Temperature Limits		10 °C - 30 °C
Specific Gravity		1.286
Shelf Life		2 years
Primer for Steel		300E Primer Red
Primer for Concrete		E1 Penetrating Primer
Estimated Theoretical Coverage Rates		
300E Primer (Red) E1 Penetrating Primer		10m ² /litre @ 40µ DFT 6m ² /litre
Intermediate & Top Coat		4m ² / l @ 250µ DFT