

# ARC 70

**ARC70** is a **two pack aromatic polyurethane coating**, recommended for the most demanding protective requirements. It is specially formulated to impart highly cross linked films, whereas conventional urethanes give linear polymers. The coating has exceptional chemical resistance in addition to being very tough, abrasion resistant and yet sufficiently resilient. It is used as top coat / intermediate coat for highly corrosive environments in chemical industries and marine environments.

**Uses:**

Recommended for use on structural steel and concrete substrates of tanks, pipelines etc. in chemical / fertiliser plants subject to highly corrosive environments.

**Surface preparation:**

- Remove oil, grease and any other contaminants using thinner PUT 502.
- Blast clean to minimum Sa 2½ (Swedish standard SIS 05 5900).
- If blasting is not practical, make full use of mechanical tools to remove loose rust and scale to St.2 Swedish standard.
- Surface should be clean and dry before application of ARC 70.

**Application:**

- Apply suitable prime coat (either PU or epoxy based) and allow to cure for a minimum 4 hours and a maximum 24 hours.
- Stir resin thoroughly and then mix one part of resin with one part of hardener by volume. Mix in small portions enough to last for 90 min. or less.

**Typical physical properties:**

Type	Two pack aromatic polyurethane
Composition	Poyester polyol cured with aromatic isocyanate
Finish	Glossy
Mixing ratio(R:H)	1:1 by volume
Pot life	60-90 minutes @ 30°C
Application	Brush /Airless / Air spray
Recommended Wet film thickness	100 microns
Recommended DFT	50 microns
Volume solids	60%
Drying time:	
To touch	25 - 30 min.
To handle	3 - 4 hrs
Hard dry	24 hours
Full Curing	7 days
Theoretical Coverage	10 - 11 Sqm / lt. / coat @ 50 microns
Overcoat interval	Minimum 4 hours Maximum 24 hours
Flash point	Above 20 °C
Recommended thinner	Dilution : PUT 509 Clean-up: PUT 502
Shelf life	6 months in the unopened container