

Durathane NY 45

TOP COATS

Durathane NY45 is an **aliphatic polyurethane top coat** to provide glossy and non-yellowing coating both for exterior as well as critical interior applications. In addition to having good colour and gloss retention, it is most suitable as a top coat in any anti-corrosive system in saline and chemical environments. It is hard, flexible and abrasion resistant and is available in any desired shade as per customer's specifications.

Uses:

Recommended as a top coat in various anti corrosive systems in exterior applications. It retains its appearance even in corrosive atmosphere in chemical, petrochemical, refinery industries and in coastal or offshore installations. It is recommended for use over properly primed surfaces in new construction as well as in maintenance services.

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 Durathane NY 45.

Application:

- Apply suitable prime coat (ACPC 50 or Cipoxy 21 or similar type). Allow to cure for a minimum 4 hours and a maximum 24 hours.
- Stir resin thoroughly and then mix five parts of resin with one part of hardener by volume.
- Mix in small portions enough to last for 2 hours or less.

Typical physical properties:

Type	Two pack polyurethane
General Composition	Acrylic - Aliphatic poly isocyanate
Finish	Glossy
Mixing ratio(R:H)	5:1 by volume
Pot life	2-3 hrs @ 30°C
Application	Airspray / Airless spray / Brush
Recommended Wet film thickness	90-110 Microns
Recommended DFT	40 - 50 Microns
Volume solids	45%
Drying time:	
To touch	15 - 20 mins.
To handle	3-4 hrs
Hard dry	24 hours
Full Curing	7 days
Theoretical Coverage	10 Sqm / lt / coat @ 45 microns
Overcoat interval	Minimum 6 Hrs. / Maximum 24 hours
Flash point	Above 20 °C
Recommended thinner	Dilution - PUT 509 Cleanup - PUT 502
Shelf life	12 months in the unopened container .