

EX-2C QD Lead Free

Endura EX-2C QD Lead free Topcoat is a durable, high performance polyurethane coating for protecting all surfaces. High gloss, color retention and outstanding resistance to chemicals, abrasion, and impact, provide maximum protection. This product has been formulated to meet the needs of high production facilities.

Product Features

- ◆ High gloss and color retention
- ◆ Outstanding resistance to chemicals, abrasion & impact, offering maximum protection

Theoretical Solids Content:

Volume: 46%

Shelf Life*

Component A: (3) years
Component B: (1) year

*For unopened product.

Pot Life of Mixed Product:

2-4 Hours @ 77°F (25°C) and 50% RH



Suitability

Endura EX-2C QD Lead free Topcoat is a high performance coating for protecting all surfaces. It provides maximum protection in all environments.



Surface Preparation

As per specification or Endura Mfg. Recommendation over Endura primer coats.



Mixing Ratio

1 part by volume of component A [part# varies by color]
1 part by volume of component B [FUB0100]

The recommended temperature when mixed is 20-25°C (68-77°F).

Environmental Conditions

For optimum coating performance product, substrate and ambient temperature should be between 20°C-25°C* (68°F-77°F). To prevent condensation during application the surface temperature must be 3°C (5°F) or more above the dew point at all times.

*for use outside this range please contact your Endura representative.



Spraying Viscosity*

Using a Ford 4 Cup (white)

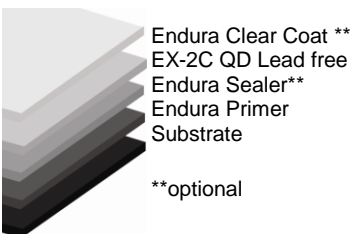
14 Seconds *	N/A *
Conventional	Airless

* Spraying viscosity and thinning will depend on ambient conditions, spray equipment used, and on the desired surface finish.



Spray Gun Setup

Feed Type	Fluid Tip	Application Pressures (heel of gun)	Fluid Delivery
Siphon Feed	1.6-1.8 mm	40-50 psi	
Gravity Feed	1.6-1.8 mm	30-40 psi	
Pressure Feed	1.4-1.8 mm	50-60 psi	12-16 oz/min
Air Assist Airless	9-17 Thou	1,000-1,800 psi	
Airless	11-13 Thou	1,700-3,000 psi	



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Application Method

Solid colors: Apply two single wet coats with 30 minutes between coats.

Handling: Product may be handled in 4 - 6 hours (depending on ambient conditions).

Recommended Film Build Thickness and Cover Rate

Endura EX-2C QD Lead free Topcoat has a recommended film build thickness of 3.5 - 6.0 mils (90 - 150 microns) wet and 1.5 - 2.5 mils (38 - 65 microns) dry.

Theoretical coverage at 1.0 mil (25 microns) DFT: 736 ft² per gallon @ 100% transfer efficiency.



Drying Time*

Recoats or clear coating may be applied after 3 - 6 hours. After 24 hours, sand with 240-280 grit sandpaper, to achieve intercoat adhesion.

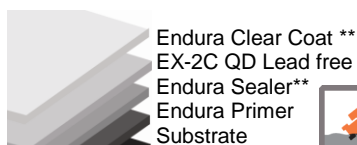
* Please note that the use of Super Catalyst II with Endura topcoats will accelerate drying times.

	20°C (68°F)	30°C (86°F)	40°C (104°F)
Dust Free	2 Hours	1 Hour	30 Minutes
Full Cure	2 Days	1 Day	12 Hours

* Subject to ambient conditions (temperature and humidity) film build and good airflow. For improved scheduling please contact your Endura representative.

Specifications

Hardness	ASTM D3363	2H
Solvent resistance	ASTM D4752	100 MEK rubs; NO failure
Abrasion resistance (1000 cycles CS-17)	ASTM D4060	32 mg loss
Impact resistance	ASTM D2794	40 in. lbs; NO failure
Flexibility	ASTM D522	1/8" mandrel bend; NO failure
VOC	For VOC amounts please refer to the product MSDS	



Endura Clear Coat **
EX-2C QD Lead free
Endura Sealer**
Endura Primer
Substrate

**optional



Clean Up

Endura high strength gun wash, Endura epoxy reducer or Endura EX-2C thinner.