

EX-2C TF2K

Endura EX-2C TF2K Topcoats are formulated to perform exceptionally well resisting abrasion on transport vehicles. This coating provides a non-stick surface ideal for tankers, bulkers, and hoppers.

Product Features

- ◆ Provides a non-stick surface
- ◆ Outstanding resistance to abrasion
- ◆ Excellent resistance to jet fuel and kerosene
- ◆ Available in solid, metallic and pearl colors

Theoretical Solids Content:

Volume: 53%

Shelf Life*

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

*For unopened product.

Pot Life of Mixed Product:

8-10 Hours* @ 77°F (25°C) and 50% RH

*Less when Endura Super Catalyst II is used.



Suitability

Endura EX-2C TF2K Coating is a polyurethane coating with enhanced abrasion resistance. It provides outstanding resistance to chemicals, excellent colour retention, and a non-stick, highly abrasion resistant surface. Transport industry use should be limited to specific problem areas needing abrasion and impact protection.
Note: This coating is **NOT** recoatable even after sanding. Complete removal is required. Endura EX-2C TF2K is **NOT** available in gloss.



Surface Preparation

Endura EX-2C TF2K can be applied over all metals, most plastics, and surfaces properly prepared and primed with the appropriate Endura Primer. Endura EX-2C TF2K Coatings may be applied directly over old Endura EX-2C Topcoat or Endura EX-2C Clear 100 after thorough cleaning and sanding with 240 - 280 grit sandpaper.



Mixing Ratio

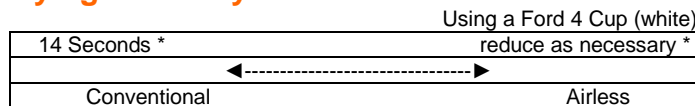
1 part by volume of component A [part# varies by color]
1 part by volume of component B [FUB0100]
The recommended temperature when mixed is 20-25°C (68-77°F).

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*

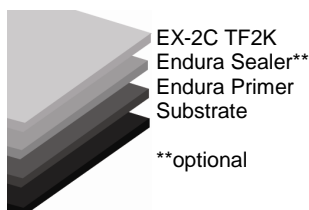


* Spraying viscosity and thinning will depend on ambient conditions, spray equipment used, and on the desired surface finish.



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	1.3-1.4 mm	30-40 psi	
Pressure Feed	1.0-1.4 mm	50-60 psi	10-14 oz/min
Air Assist Airless	9-13 Thou	1,000-1,800 psi	
Airless	9-11 Thou	1,700-3,000 psi	



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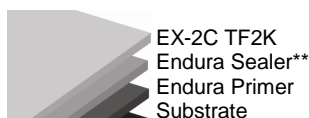
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**optional



Application Method

Solid Colors: Apply two medium wet coats with each coat at a wet film thickness of 2.0 - 2.5 mils (50 - 60 microns). Keep flash-off time between coats to a minimum of 15 - 30 minutes.

Metallic Colors: Apply two medium wet coats of 1.5 - 2.0 mils (37 - 50 microns). Allow 15 - 30 minutes between coats. Apply a third "mist" coat to achieve a uniform metallic finish. Endura EX-2C TF2K Coating can be applied using most spray painting systems. For electrostatic spray equipment Endura EX-2C Electrostatic B component is recommended with Endura EX-2C TF2K Coating for best performance.

Recommended Film Build Thickness and Cover Rate

Endura EX-2C TF2K has a recommended film build thickness of:

Wet (unreduced): 2.0 – 2.5 mils wet (50 – 62.5 microns)

Dry: 1.0 – 1.25 mils dry (25-31 microns)

Theoretical coverage at 1.0 mil (25 microns) DFT: 848 ft² per gallon @ 100% transfer efficiency.



Drying Time*

* 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	7-14 Days	5-6 Days	3-4 Days

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

Specifications

Hardness	ASTM D3363	3H
Solvent resistance	ASTM D4752	100 MEK rubs; NO failure
Abrasion resistance (1000 cycles CS-17)	ASTM D4060	20 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	



Clean Up

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