

Endura EX-2C SFC Topcoat is a two-component super flexible coating.

Product Features

- ◆ High gloss and color retention
- ◆ Outstanding resistance to chemicals, abrasion & impact
- ◆ A library of over 40,000 colors
- ◆ Color matching service available to suit your needs
- ◆ Available in high gloss and reduced gloss

Theoretical Solids Content:

Volume: 66%

Shelf Life*

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

*For unopened product.

Pot Life of Mixed Product:

10 Hours @ 77°F (25°C) and 50% RH



Suitability

Endura EX-2C SFC Topcoat is a flexible two-component type polyurethane finish. High gloss, flexibility, and excellent color and gloss retention make this coating ideal for flexible sport-floor surfaces (after pretreatment with Endura Prime-Lock).



Surface Preparation

The surface must first be pretreated with Endura Prime-Lock, this acts as a primer to promote good adhesion of Endura EX-2C SFC Topcoat on game line surfaces. Topcoat must be applied 30 minutes - 1 hour after Prime-Lock has been applied. If it is not possible to topcoat within this time frame, the surface must be retreated with Endura Prime-Lock.



Mixing Ratio

Brush Application:

2 Parts by Volume Component A
1 Part by Volume Special Component B [FUB0101]

Spray Application:

1 Part by Volume Component A
1 Part by Volume Component B [FUB0100]

Note: Allow a "sweat in" time of 10 - 20 minutes.

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

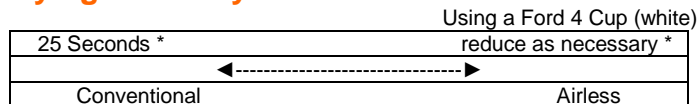
Environmental Conditions

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*

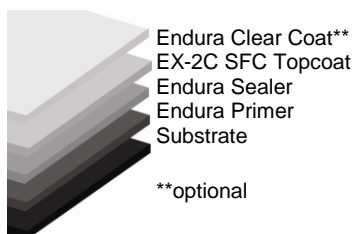


* Spraying viscosity and thinning will depend on ambient conditions, spray equipment used, and on the desired surface finish. Application viscosity is achieved with reduction, as required, using Endura EX-2C Slo Thinner



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	11-13 Thou	1,700-3,000 psi	



EX-2C SFC

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Endura Clear Coat**
EX-2C SFC Topcoat
Endura Sealer
Endura Primer
Substrate

**optional



Application Method

Endura EX-2C SFC Topcoat can be applied using pure bristle or foam brush, airless or HVLP spray equipment. **Do not use rollers.**

Apply one wet coat (or two medium coats - depending on the color - 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 (15 - 30 minutes) on smooth surfaces. On coarse textured surfaces, a 1 - 2 hour flash-off between coats is recommended. Masking tape should be removed as soon as the paint has dried sufficiently to be "tacky". If the paint is allowed to cure, the tape will be difficult to remove and jagged edges could occur.

Endura Prime-Lock has a usable life of 24 hours after mixing with Prime-Lock additive. Beyond 24 hours Prime-Lock is no longer effective as a pretreatment on any sport floor surface.

Recommended Film Build Thickness and Cover Rate

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

Wet (unreduced): 3.0 – 3.5 mils wet (75 – 87.5 microns)

Dry: 2.0 – 2.5 mils dry (50 – 62.5 microns)

Theoretical coverage at 1.0 mil (25 microns) DFT: 1056 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)
Topcoat	Dust Free	2 Hours	1 Hour
Full Cure	7-9 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	2H
Solvent resistance	ASTM D4752	100 MEK rubs; NO failure
Abrasion resistance (1000 cycles CS-17)	ASTM D4060	36 mg loss
Impact resistance	ASTM D2794	60 in.lbs; NO failure
Flexibility	ASTM D522	1/16" 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.