

EasyClean Clear

Technical Data Sheet (TDS)

Product Description

Endura EasyClean is a two component highly cross-linked, high performance polyester polyurethane coating providing a high gloss surface finish. Endura EasyClean Topcoat is formulated with enhanced abrasion resistance.

Product features:

- Excellent UV Stability, providing long term gloss and color retention
- Provides a non-stick surface
- Outstanding resistance to chemicals
- Outstanding resistance to abrasion
- Outstanding impact resistance
- Available in Clear
- Color matching services available

Recommended Uses

EasyClean Clear is intended for industrial applications, either new build or maintenance. EasyClean Clear is suitable for application on all Endura topcoats.

Industries:

- Oilfield & Energy Services
- Architectural - Anti Graffiti applications
- Waste and Recycling Industry
 - Garbage Trucks

Mix Ratio

1 part by volume of component A **[CLR28893]**
(Part Number varies with color)
1 part by volume of component B **[FUB0112]**

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

Product Characteristics

Gloss:	High: 90+ GU at 60°
Volume Solids Mixed: (Unreduced) CLR28893:FUB0112 (1:1)	34% ± 1%
Pot Life: (77°F (25°C) and 50% RH)	8-10 Hours
Note: Pot life is reduced when Super Catalyst II is used	
VOC Mixed (Unreduced): EPA Method 24 CLR28893:FUB0112 (1:1)	446 g/l 3.725 lb /gal
Shelf Life:	
Component A	3 years
Component B	2 years
For unopened product (77°F (25°C))	

Surface Preparation

EasyClean Clear can be applied on EX-2C Topcoat without sanding during the topcoat window.

Ensure that surfaces to be clear coated are free of flaws, surface contaminants and other surface imperfections.

If the EX-2C Topcoat has been allowed to cure longer than 24 hours, sanding will be required to achieve inter-coat adhesion. Sand the topcoat lightly with 400 grit sandpaper or Maroon /Grey Scuff Pads.

Note:

- **Do not sand metallic or pearl colors.**
- **Do not mix EasyClean Clear with metallic color for final coat.**
- **Do not mix Easy Clean Clear into the final color coat on solid colors.** This may cause matching and repeatability and recoating issues.

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Application Method

EasyClean Topcoat can be applied using most spray painting systems.

After application of a fresh coat EX-2C Topcoat wait for the following times before application of EasyClean Clear:

Solid Colors	Metallic Colors
3-18 Hours	6-18 hours

Apply two wet coats of EasyClean Clear. Apply a thinner first coat of EasyClean, followed up by a heavier second coat. Allow up to 30 minutes between coats.

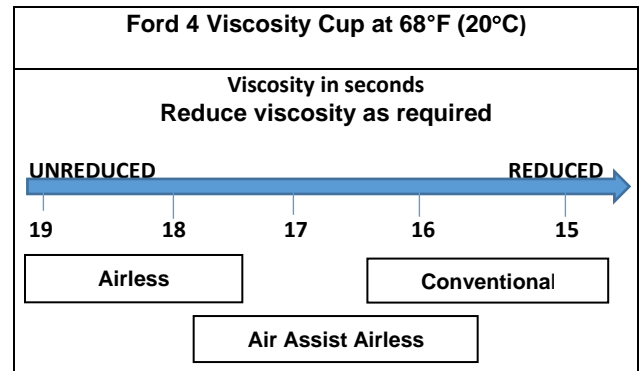
The use of Super Catalyst II with Endura Topcoats will accelerate drying times.

Contact your Endura Representative regarding recoating Easy Clean after a full cure.

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	1.2-1.8 mm	30-40 psi	
Pressure Feed	1.0-1.8 mm	55-65 psi	10-14 oz/min
Air Assist Airless	9-13 Thou	1,000-1,800 psi	
Airless	9-13 Thou	1,700-3,000 psi	

Spray Viscosity



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

If required, recommended spraying viscosity is achieved by reducing with one of the desired Endura topcoat thinner/ reducer.

FTH0086 – EX-2C Thinner / Reducer
FTH0090 – Slo EX-2C Thinner /Reducer
FTH0014 – Medium Topcoat Reducer

Film Build

EasyClean Clear has a recommended film build thickness of:

Wet: WFT Unreduced	2.5 – 5.0 mils	64 – 127 microns
Dry: DFT	1.0 – 2.0 mils	25 – 50 microns

Theoretical coverage at 1.0 mil (25 microns)
DFT: 545 ft² per gallon at 100% transfer efficiency.

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Dry Times

	68°F (20°C)	86°F (30°C)	104°F (40°C)
Dust Free	2 Hours	1 Hour	30 Minutes
Full Cure	7 – 14 Days		

Note: Dry Times are subject to ambient conditions (temperature and humidity) and good airflow and film build of the topcoat.

For best results surface temperature must be 86°F (30°C) or less before topcoating.

The maximum re-coat window without sanding is 18 hrs at 68°F (20°C). After 18 hours contact your Endura Representative regarding recoating Easy Clean.

The use of Super Catalyst II with Endura topcoats will accelerate drying times.

Metallics must be topcoated within this re-coat window as sanding is not recommended.

Important Note: Ensure that no more than three coats of paint are applied in a 12-hour shift. This includes primer, mid-coat, topcoats and clear coat. If more than 3 coats have been applied wait 10-12 hours to allow for proper solvent evaporation.

For questions about scheduling please contact your Endura representative.

Clean Up

Clean all equipment immediately after use with Endura high strength gun wash, Endura epoxy reducer or Endura EX-2C thinner.

Follow manufacturer's safety recommendations when using any solvent.

Ordering Information (sizing)

Available in Pints, Quarts, Gallons, 5 Gallon Pails.
Other custom sizes may be available.

1 mixed quart (946 ml)		
Comp A	CLR28893-010	1 Pint (473ml)
Comp B	FUB0112-010	1 Pint (473ml)

2 mixed quarts (1.89l)		
Comp A	CLR28893-020	1 quart (946ml)
Comp B	FUB0112-020	1 quart (946ml)

2 mixed gallons (7.56l)		
Comp A	CLR28893-030	1 gallon (3.78l)
Comp B	FUB0112-030	1 gallon (3.78l)

10 mixed gallons (37.8l)		
Comp A	CLRXXXXX-050	5 gallons (18.9l)
Comp B	FUB0112-050	5 gallons (18.9l)

Environmental Conditions

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

For use outside this range please contact your Endura Representative.

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Specifications

Hardness	ASTM D2240	2H
Solvent Resistance	ASTM D4752	100 MEK Rubs; No Failure
Impact resistance	ASTM D2794	40 in. lbs; NO failure
Taber Abrasion (1000 cycles CS-17)	ASTM D4060	32 mg loss
Flexibility	ASTM D522	1/8" mandrel bend: NO failure
Service Temp	-40°C to +182°C	-40°F to 360°F

Safety Precautions

Please refer to all Safety Data Sheets (SDS) before using this product. SDS sheets can be found on our website at www.endurapaint.com.