



Technical Data Sheet (TDS)

Product Description

Endura Elasto 20 is a two-component reinforced epoxy coating that provides enhanced impact resistance for extreme environments. This product cures to form a durable seamless membrane to protect steel, concrete and other substrates.

Product features:

- Impact resistance
- Corrosion resistance
- Chemical resistance
- High build
- High solids
- **VOC Compliant**

Recommended Uses

Elasto 20 Primer is intended for industrial applications; either new build or maintenance. Elasto 20 is suitable for application on steel, aluminum, stainless steel, fiberglass, and other ferrous metals. Elasto 20 may be used as a stand-alone coating or as a primer.

Industries:

- Oilfield & Energy Services
 - Well Service vehicles
- Logging Industry
- Trailers
- ATV's
- Waste and Recycling Industry
 - Garbage Trucks

Typical uses:

- **Undercoating**
- **truck bed liners**
- **Floors Fenders**
- **a primer for high performance environments**

Mix Ratio

2 parts by volume of component A [FEA1000](black)

1 part by volume of component B [FEB1000] (white)

OR

1 part by volume of component B [FEB1100] (neutral)

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

Note: Spraying viscosity and thinning will affect the desired surface finish.

Product Characteristics

Finish: low gloss

Volume Solids Mixed: 79% +/- 2%

Pot Life: 2 Hours at 77°F (25°C) and 50% RH

Note: Higher volume of mixed product and/or high ambient temperatures will drastically reduce pot life.

VOC Mixed (EPA Method 24):

(White 1000) 186 g/l (1.548 lb/gal)

(Neutral 1100) 193g/l (1.611 lb/gal)

Shelf Life:

Component A: 1 year at 77°F (25°C)

Component B: 1 year at 77°F (25°C)

Note: For unopened product

Surface Prep

Surface must be free of all contaminants such as dust, oil, grease and salt.

Endura ELASTO 20 can be applied to all surfaces that have been sand blasted (with minimum SSPC SP-6) or mechanically sanded with 80 grit sandpaper.

Application Method

Endura ELASTO 20 can be applied by conventional, airless or shutz gun.



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Film Build

Apply one coat up to:

Wet:

As a stand-alone coating: 20.0 mils wet

As a primer: 6.0 mils wet

Dry:

As a stand-alone coating: 16.0 mils DFT

As a primer: 4.5 mils DFT

Theoretical coverage at 1.0 mil (25 microns)
DFT: 1259 ft² per gallon at 100% transfer efficiency.

Dry Times

	68-77°F (20-25°C)
Gel Time	2-4 hours (100ml mixed)
Cure to Touch	6-8 hours
Cure to Handle	overnight
Full Cure	7 days
Time to Recoat	6-24 hours

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

For best results surface temperature must be 86°F (30°C) or less before topcoating. Maximum re-coat window without sanding is 24 hours at 68°F (20°C).

After curing at room temperature for 24 hours, to achieve inter-coat adhesion, sand with 180 grit sand paper.

For questions about scheduling please contact your Endura representative.

Topcoating Information

Elasto 20 can be topcoated with the entire range of Endura topcoat products.

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 Gallons and 2 Gallons in a 5 Gal Pail

3 Gallons Gallon Cans		
Comp A - Black - 2X	FEA1000-030	1 Gal.
Comp B - White	FEB1000-030	1 Gal.
Comp B - Neutral	FEB1100-030	1 Gal.

3 Gallons 5 Gallon Pail		
Comp A - Black	FEA1000-052	2 Gal.
Comp B - White	FEB1000-030	1 Gal.
Comp B - Neutral	FEB1100-030	1 Gal.

Please contact your Endura representative for custom color information.

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.

Note: For use outside this range please contact your Endura representative.



Specifications

Hardness	ASTM D2240	80±5 Shore D
Solvent Resistance	ASTM D4752	50 MEK Rubs; No Failure
Adhesion Cross Cut	ASTM D3002	5 (100/100)
Impact resistance	ASTM D2794	100 in. lbs; NO failure
Gloss 60°	ASTM D2457	<80

Safety Precautions

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