



## HFE3080 Primer

### Technical Data Sheet (TDS)

#### Product Description

**HFE3080** is a low VOC, zinc-rich, epoxy primer. It contains a minimum of 80% zinc in the dry film to provide cathodic protection.

#### Product features:

- Excellent corrosion protection
- Ability to fill a sandblast profile in one coat
- Can provide Cathodic protection
- VOC Compliant

#### Recommended Uses

HFE3080 Primer is intended for industrial applications; either new build or maintenance. HFE3080 Primer is suitable for application on properly sanded or sandblasted steel and for properly prepared galvanized or zinc coated substrates. This primer must be topcoated to achieve the best results.

HFE3080 Primer It is recommended for areas requiring high corrosion protection such as coastal service.

#### Industries:

- Oilfield & Energy Services
  - Well Service vehicles
  - Drilling Rigs
- Cranes and Construction Equipment
- Trailers
- Waste and Recycling Industry
  - Garbage Trucks

#### Mix Ratio

5 parts by volume of component A **[FEA0056]**  
1 part by volume of component B **[FEB0056]**

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

#### Product Characteristics

<b>Finish:</b>	Lo Gloss
<b>Volume Solids Mixed: (Unreduced)</b> <b>FEA0056: FEB0056 (5:1)</b>	56% ± 1%
<b>Pot Life:</b> (77°F (25°C) and 50% RH)	10 Hours
<b>VOC Mixed (Unreduced):</b> EPA Method 24 <b>FEA0056:FEB0056 (5:1)</b>	217 g/l 1.819 lbs./gal
<b>Shelf Life:</b>	
<b>Component A</b>	3 years
<b>Component B</b>	2 years
<b>For unopened product (77°F (25°C))</b>	

#### Surface Preparation

Surface must be free of all contaminants such as dust, oil, grease and salt. It is recommended that all steel and other ferrous surfaces be sandblasted a minimum of SSPC- SP6 or mechanically sanded with 80 grit sand paper.

Near White Blast SSPC–SP10 or White Blast SSPC–SP5 sandblasting is required for and any offshore or coastal environments.

For all other substrates, refer to the Endura recommended surface preparation instruction sheets or contact your Endura Representative.

#### Application Method

HFE3080 Primer can be applied using most spray painting systems, although electrostatic sprayers are not recommended.

Apply 1-2 coats as required to achieve the desired film thickness. Allow sufficient flash time between coats especially with higher film builds applied (20-30 minutes).

**Note: agitation is not required while spraying; the zinc is fully suspended in the coating.**





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#### 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.

#### Ordering Information (sizing)

Available in Gallons and Pails  
Other custom sizes may be available.

1 Mixed Gallon		
Comp A - Grey	FEA0056-035	3.15 L
Comp B	FEB0056-022	0.63 L

Approximately 4 Mixed Gallons		
Comp A - Grey	FEA0056-055	12.6 L
Comp B	FEB0056-036	2.25 L

#### 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

Solvent Resistance	ASTM D4752	100 MEK Rubs; No Failure
Impact resistance	ASTM D2794	100 in. lbs Direct; 50 in. lbs Reverse NO failure
Flexibility	ASTM D522	1/4 in. mandrel bend: NO failure
Service Temp	-40°F to 250°F	-40°C to 121°C
Percentage of zinc in the dry film		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.endurapaint.com](http://www.endurapaint.com).