



## Guardian Primer

### Technical Data Sheet (TDS)

#### Product Description

**Guardian Primer** is a low VOC, high solids, two-component, medium-gloss epoxy primer. It provides excellent water, abrasion and chemical resistance.

#### Product features:

- Surface tolerant characteristics
- Low temperature cure formulation
- Excellent water resistance
- Suitable for salt and freshwater immersion
- Excellent adhesion to tight rust
- Excellent abrasion and chemical resistance
- High solids (high film build)
- No induction time
- VOC Compliant

#### Recommended Uses

Guardian Primer is intended for industrial applications; either new build or maintenance. Guardian Primer is suitable for application on steel, aluminum, other ferrous metals and masonry surfaces. Guardian Primer can also be used in immersion service (non-potable water).

This primer must be topcoated to achieve the best results.

Guardian Primer can also be used as an intermediate coat.

#### Industrial Applications:

- Offshore Drilling Rigs
- Pulp Mills
- Chemical Plants
- Boats
- Bridges

#### Mix Ratio

4 parts by volume of component A **[FEA0111]**  
1 part by volume of component B **[FEB0111]**

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

#### Product Characteristics

<b>Finish:</b>	Medium Gloss
<b>Volume Solids Mixed: (Unreduced) FEA0111: FEB0111 (4:1)</b>	73% ± 1%
<b>Pot Life:</b> (77°F (25°C) and 50% RH)	4.5 Hours
<b>Note: For extended pot life contact your Endura Representative</b>	
<b>VOC Mixed (Unreduced):</b> EPA Method 24 FEA0111: FEB0111 (4:1)	232 g/l 1.937 lb /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 sandpaper.

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

#### Application Method

Guardian Primer can be applied using most spray 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 (20-30minutes).





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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 solvent.

#### Ordering Information (sizing)

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

Product lead times may apply.  
Please contact your Endura Representative for further information regarding stock availability and lead times.

5 Mixed Quarts		
Comp A - Beige	FEA0111-030	1 Gal.
Comp B	FEB0111-020	1 Qt.

5 Mixed Gallons		
Comp A - Beige	FEA0111-054	4 Gals.
Comp B	FEB0111-030	1 Gal.

#### 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.

#### Specifications

Solvent Resistance	ASTM D4752	100 MEK Rubs; NO failure
Impact Resistance	ASTM D2794	20 in. lbs; NO failure
Flexibility	ASTM D522	5/16 in. mandrel bend; NO failure
Service Temp Range	-40°F to 250°F	-40°C to 121°C

#### 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).