



# EPOXY NOVOLAC PRIMER

Highly Chemical Resistant Epoxy Primer/Sealer  
Horizontal and Vertical Applications

## PRODUCT DESCRIPTION

Five Star® Epoxy Novolac Primer is a two-component, highly chemical resistant, penetrating epoxy primer/sealer for use over green or new concrete (7+ days). Five Star® Epoxy Novolac Primer has excellent adhesion, a rapid drying time and will bond to concrete. Contains no volatile organic compounds (VOCs).

## ADVANTAGES

- High chemical resistance
- May be brushed, sprayed, or roller-applied
- Easy clean-up (soap and water)
- Rapid drying
- Excellent penetration of concrete

## USES

- Penetrating primer/sealer for coating of old or new concrete (7+ days)
- For use with Five Star® Epoxy Novolac Coating

## PACKAGING AND YIELD

Five Star® Epoxy Novolac Primer is available in a 0.9 gallon (3.4 liter) unit yielding theoretical coverage of approximately 290 ft<sup>2</sup> @ 5 wet mil thickness (26.9 m<sup>2</sup> @ 125 microns) and 480 ft<sup>2</sup> @ 3 wet mil thickness (44.6 m<sup>2</sup> @ 75 microns) depending on surface roughness. Allow for slight loss due to mixing, application, and substrate conditions.

## SHELF LIFE

Two years in original unopened packaging when stored in dry conditions at normal ambient temperatures. Protect from freezing.

### TYPICAL PROPERTIES AT 70°F (21°C)

<b>Color</b>	Clear to amber
<b>Solids by volume</b>	99-100%
<b>Viscosity at 70°F (21°C), ASTM D 445-83</b>	1,400 cps
<b>Pot Life at 70°F (21°C)</b>	25 minutes
<b>Dry Pull Off Adhesion, ASTM D 4541</b>	>500 psi (concrete failure)
<b>Volatile Organic Compounds</b>	0

### Cure Schedule & Recoat Window

<b>Substrate Temperature</b>	<b>Minimum Recoat</b>	<b>Maximum Recoat</b>
55°F (13°C)	3 hours	14 days
70°F (21°C)	90 minutes	14 days
100°F (38°C)	60 minutes	30 hours

*\*The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result. Test methods are modified where applicable.*

## PLACEMENT GUIDELINE0

1. **SURFACE PREPARATION:** Surface must be clean and sound. Concrete must be cured a minimum of 7+ days at 70°F (21°C) and 50% relative humidity. Remove dust, laitance, grease, curing compounds, impregnations, and waxes. Voids should be repaired prior to application of primer. Concrete may be sandblasted or prepared by similar mechanical means.
2. **MIXING:** Pour all of Component B into Component A and mix thoroughly for 2-3 minutes. For smaller amounts, mix Component A (resin) and Component B (hardener) in a 2:1 ratio by volume. Do not mix more material than can be applied within pot life of material, 25 minutes at 70°F (21°C).
3. **METHODS OF PLACEMENT:** Primer may be applied with a brush, roller or squeegee, or sprayed using airless equipment. Apply material in even coats. Maximum recommended thickness is 5 mils if top coating.
4. **POST PLACEMENT PROCEDURES:** Epoxy Novolac coatings may be applied after surface is tacky to the touch.
5. **CLEAN UP:** Clean tools with a solution of warm water and strong detergent.

**NOTE: PRIOR TO APPLICATION, READ ALL PRODUCT PACKAGING THOROUGHLY.** For more detailed placement procedures, refer to Five Star® Design-A-Spec™ installation guidelines or call Five Star Products' Engineering and Technical Service Center at 1-800-243-2206.

## CONSIDERATIONS

- Mix Part A : Part B in a 2:1 ratio by volume.
- Cold temperatures lengthen cure time, hot temperatures decrease cure time.
- Maximum exposure temperature is 200°F (93°C).
- Avoid applying in high humidity conditions.

## CAUTION

FOR INDUSTRIAL USE ONLY. Irritant, toxic, strong sensitizer. Contains epoxy resin. This product may cause skin irritation. Do not inhale vapors. Provide adequate ventilation. Protect against contact with skin and eyes. Wear rubber gloves, long sleeve shirt, goggles with side shields. In case of contact with eyes, flush repeatedly with water and contact a physician. Areas of skin contact should be promptly washed with soap and water. Do not take internally. Keep product out of reach of children. **PRIOR TO USE, REFER TO SAFETY DATA SHEET.**

For worldwide availability, additional product information and technical support, contact your local Five Star® distributor, local sales representative, or call Five Star Products' Engineering and Technical Service Center at 1-800-243-2206.

SKU/PRODUCT CODE	DESCRIPTION	# UNITS/PALLET	UNIT SIZE
34542	Five Star® Epoxy Novolac Primer	36	Resin (A): 5.7 lbs. (2.6 kg.) pail Hardener (B): 2.5 lbs. (1.1 kg.) pail

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Specifications Subject to Change.

For most current version of datasheet, go to [FiveStarProducts.com](http://FiveStarProducts.com)

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