

NEW PRODUCT/SYSTEM

Epoxy Novolac Coating and Primer

HIGHLY CHEMICAL RESISTANT NOVOLAC EPOXY-BASED SOLUTION

Chemical Resistance · Fast Return to Service



**Ideal for use with Five Star®
concrete repair products**

Structural Concrete®, Structural Concrete® ES,
and Structural Concrete® ES-60

- ✓ Single system for both horizontal and vertical applications.
- ✓ Fast turnaround/return to service (as early as 24 hours).
- ✓ Superior, long-lasting resistance to wide range of chemicals, solvents, and acids.
- ✓ Able to apply to new or green concrete (7+ days).
- ✓ Easy to mix, apply, and clean-up.
- ✓ Access to on-site technical support from Five Star Products.



Five Star® Epoxy Novolac Coating is a two-component, 100% solids, highly chemical resistant epoxy coating for horizontal and vertical applications effective on both steel and concrete. It consists of premeasured containers of resin and hardener.



Five Star® Epoxy Novolac Primer is a two-component, 100% solids, highly chemical resistant, penetrating epoxy primer/sealer for use over green or new concrete (7 + days). It has excellent bond and adhesion strength with a rapid drying time.



Excellent adhesion/bond to substrate.



Great for use on secondary containment, concrete, and steel surfaces.

Novolac coating and primer are designed to be applied to Five Star® concrete repair products:

Structural Concrete®

(as early as 4 hours after placement)

Structural Concrete® ES

(as early as 6 hours after placement)

Structural Concrete® ES-60

(as early as 8 hours after placement)



The superior solution for rapid return-to-service applications.

Innovation

Five Star Products has engineered a new Novolac epoxy-based, highly chemical resistant, fast turnaround solution, consisting of a coating and primer system to be used for both horizontal and vertical applications. With flexible cure schedules and recoat windows at different substrate temperatures, Five Star® Epoxy Novolac Coating and Five Star® Epoxy Novolac Primer system allows for easy placement and clean-up with quick return to service to minimize downtime and costs.

EPOXY NOVOLAC COATING

| Typical Properties at 70 °F (21 °C) | |
|---|-----------------------|
| Color | Light Gray |
| Film Thickness | 15-24 mils |
| Pot Life at 70 °F (21 °C) | 35 minutes |
| Hardness, ASTM D 2240 Shore D | 80-90 |
| Tensile Strength, ASTM D 638 | 5,600 psi (38.6 MPa) |
| Compressive Strength, ASTM D 695 - 7 Days | 10,000 psi (70.0 MPa) |
| In-Service Time (allow 3-5 days for max cure) | 1-7 days |
| In-Service Time (hydrocarbons) | 24 hours |
| Tack-Free Time | 3 hours |

| Cure Schedule & Recoat Window | | |
|-------------------------------|----------------|----------------|
| Substrate Temperature | Minimum Recoat | Maximum Recoat |
| 50 °F (10 °C) | 8 hours | 14 days |
| 70 °F (21 °C) | 3 hours | 14 days |
| 100 °F (38 °C) | 30 minutes | 30 hours |

EPOXY NOVOLAC PRIMER

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

| Cure Schedule & Recoat Window | | |
|-------------------------------|----------------|----------------|
| Substrate Temperature | Minimum Recoat | Maximum Recoat |
| 55 °F (13 °C) | 3 hours | 14 days |
| 70 °F (21 °C) | 90 minutes | 14 days |
| 100 °F (38 °C) | 60 minutes | 30 hours |

SPECIFICATIONS SUBJECT TO CHANGE. REFER TO DATASHEET AT FIVESTARPRODUCTS.COM



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