

PI.262 – PRODUCT INFORMATION: E100-NV4™ and E100-NV5™ Novolac Epoxy

Revised: 1.2.16

DESCRIPTION

E100-NV4™ and E100-NV5™ Novolac Epoxy are 100% solids, two component, premium quality, durable, VOC free coatings for areas that are subject to above average corrosive or chemical contaminants.

ADVANTAGES

- Zero VOC
- Virtually no odor
- Available in Standard Duty (E100-NV4™) and High Performance (E100-NV5™) formulations
- Available in Clear or Brick Red
- Completely self leveling
- Auto air release
- Unsurpassed adhesion
- Exceptional performance characteristics such as; abrasion, anti-water spotting, tensile and compressive strength
- Above industrial standard Shore D hardness
- Anti-microbial
- Anti-static

TYPICAL APPLICATION & USES

- **REFLECTOR™ Enhancer Flooring Systems:** As clear protective topcoat only.
- **HERMETIC™ Neat Floor:** As base coat where a vapor barrier epoxy is not required and as a clear protective topcoat.
- **HERMETIC™ Flake Floor:** As base coat where a vapor barrier epoxy is not required and as a clear protective topcoat.
- **HERMETIC™ Color Quartz Floor:** As base coat where a vapor barrier epoxy is not required and as a clear protective topcoat.
- **HERMETIC™ Stout Floor:** As base coat where a vapor barrier epoxy is not required and as a clear protective topcoat.
- **HERMETIC™ Paramount Floor:** As base coat where a vapor barrier epoxy is not required, as a slurry binder and as a clear protective topcoat.
- **HERMETIC™ Paramount Heavy Duty:** As base coat where a vapor barrier epoxy is not required, as a trowel mortar binder and as a clear protective topcoat.
- As a “cove base” primer, binder and as a clear topcoat.
- General sealing and protection of interior concrete floors.
- Protective sealer for interior polished concrete floors.
- As a clear coat for interior cementitious overlayers.

LIMITATIONS

- Not for use on exterior concrete
- May require a vapor barrier epoxy in some instances to protect from vapor emission or moisture concerns. Contact a technical representative immediately before choosing this as an option.
- Not recommended for surfaces subject to continuous water submersion.

APPLICABLE STANDARDS

E100-NV4™ and E100-NV5™ comply with all applicable air quality management regulations including those restricting VOC content to less than 50 g/L.

PACKAGING

E100-NV4™ and E100-NV5™ is available from stock in:

- 1.5 U.S. gallon / 5.68 liter kits
- 3 U.S. gallon / 11.36 liter kits
- 15 U.S. gallon / 56.78 liter kits
- 150 U.S. gallon / 567.81 liter kits

COVERAGE

Based on the versatility and areas of use that E100-NV4™ and E100-NV5™ is used, coverage varies. Contact an Elite Crete Systems Technical Office for recommendations.

SHELF LIFE

When stored in temperature-controlled areas above 45 degrees Fahrenheit or 7.2 degrees Celsius, shelf life is one year for unopened containers. It is recommended to rotate stock as formula improvements may be made when technology becomes available. Open containers require the use of a nitrogen blanket and reseal to become air tight.

CAUTIONS

Although E100-NV4™ and E100-NV5™ has little or no odor and carries zero VOC, it should only be used with adequate ventilation. Avoid contact with eyes and skin. **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.** Ensure fresh air entry during application. If you experience watering eyes, headaches, or dizziness or if air monitoring demonstrates vapor levels are above applicable limits, wear a properly fitted respirator (NIOSH/MSHA TC 23C approved) during and after application. Follow respirator manufacturer's directions for use. E100-NV4™ and E100-NV5™ is an irritant which can develop redness of skin and allergic reaction. Always use protective clothing, gloves and eye wear.

Read the Material Safety Data Sheet for additional information and before use.

ADDITIONAL NOTES

See document: *PI.551 – Resinous Flooring Guidelines* for information pertaining to rising damp, vapor transmission and applicable recommended testing methods prior to use.

Preconditioning 100% solid epoxy resins - When exposed to prolonged periods of cold temperature, epoxy resins typically thicken, may crystallize and become harder to flow or spread. To improve the product flow-ability maintain temperature at about 70 degrees Fahrenheit or 21 degrees Celsius before mixing. Crystallized epoxy can be reconstituted at 90 degrees Fahrenheit or 32 degrees Celsius for 12 hours and remixed.

CLEAN UP

In case of spills, contain and collect with absorbent material, place in suitable container. Dispose according to applicable local, state, and federal regulations.

The use of EXIT™ will assist in the cleanup of work area and tools.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes. For respiratory problems, remove person to fresh air. Contact Physician Immediately. Wash clothing before re-use.

WARRANTY SUMMARY

For the complete warranty statement and important limitations, read the Safety Data Sheet and Warranty. Generally, Elite Crete Systems, Incorporated represents and warrants only that its products are of consistent quality. No other oral or written statement is authorized. Any liability is limited to refund or replacement of the defective product. The end user shall determine product's suitability and assume all risks and liability.