

PI.222 – PRODUCT INFORMATION: E100-VR1™ Clear UV Resistant Epoxy

Revised: 3/15/21 Version: 1.0

DESCRIPTION

E100-VR1™ Clear UV Resistant Epoxy is a versatile, 100% solids, two component, premium quality, durable, VOC free coating.

ADVANTAGES

- Improved resistance to UV exposure
- Zero VOC
- 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
- Easily pigmented in the field with special pigments

TYPICAL APPLICATION & USES

- **REFLECTOR™ Enhancer Flooring Systems:** As base coat where a vapor barrier epoxy is not required, as the pigment/color coat and as a clear top coat.
- **HERMETIC™ Neat Floor:** As base coat where a vapor barrier epoxy is not required, pigmented coat using special powdered pigment and as a clear top coat.
- **HERMETIC™ Flake Floor:** As base coat where a vapor barrier epoxy is not required, pigmented coat using special powdered pigment and as a clear top coat.
- **HERMETIC™ Color Quartz Floor:** As base coat where a vapor barrier epoxy is not required, pigmented coat using special powdered pigment and as a clear top coat.
- **HERMETIC™ Stout Floor:** As base coat where a vapor barrier epoxy is not required, pigmented coat using special powdered pigment and as a clear top coat.
- **HERMETIC™ Paramount Floor:** As base coat where a vapor barrier epoxy is not required, pigmented coat using special powdered pigment, slurry binder and as a clear top coat.
- **HERMETIC™ Paramount Heavy Duty:** As base coat where a vapor barrier epoxy is not required, pigmented coat using special powdered pigment, trowel mix binder and as a clear top coat.
- As a “cove base” primer, binder and as a clear top coat.
- General sealing and protection of interior concrete floors.
- Protective sealer for interior polished concrete floors.
- As a clear coat for interior cementitious overlays.

LIMITATIONS

- Not for use on exterior concrete
- Requires a vapor barrier epoxy in some instances to protect from vapor emission or moisture concerns.
- Not recommended for surfaces subject to continuous water submersion.

APPLICABLE STANDARDS

E100-VR1™ complies with all applicable air quality management regulations including those restricting VOC content to less than 50 g/L.

PACKAGING

E100-VR1™ 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-VR1™ is used, coverage varies based on the “system” it is used in. 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-VR1™ has little or no odor and carriers 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-VR1™ 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 crystalize 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. Crystalized 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.