

TECHNICAL DATA SHEET EU-100 LIGHTWEIGHT

LIGHTWEIGHT EPOXY UNDERLAYMENT
MIL-PRF-3135 Type I & Class 2
MIL-PRF-3135 Type II Class 2

Description

EU-100 LIGHTWEIGHT is a three-component lightweight 100% solids epoxy underlayment system consisting of a base resin; a hardener and aggregate used to level surfaces prior to installation of resin terrazzo's, polymeric deck coverings, linoleum, tiles or other similar pre-formed materials.

EU-100 LIGHTWEIGHT will adhere to metal surfaces primed with epoxy primers, provided bonded to the subsurface. It will also adhere to wood, some plastic surfaces such as polyester or epoxy and well-cleaned concrete. On concrete surfaces, Underlay must be applied over tacky Bond-Coat (BC-100).

Fire retardant in the cured state, **EU-100 LIGHTWEIGHT** is intended for use on interior metal decks in habitability, sanitary or other wet places.

Surface Preparation

- Existing deck covering must be 100% removed. It is imperative that surfaces to which deck covering is to be applied be thoroughly cleaned of all foreign matter such as dirt, oil, grease, wax, paint, rust, scale, moisture, and other contamination before installation is begun.
- Preparation shall be by methods most feasible, such as grinding, sanding, or using needle point gun to expose bright metal. Concrete should be clean and sound prior to application. Consult surface preparation sheets available from American Safety Technologies for more detailed procedures.
- Remove all dust and other loose matter from area. Clean deck free of remaining contaminants with an approved degreasing solvent.
- If exposed surface requires corrosion protection, apply MS-7C, MS-7CZ, or MS-10C Primer.

Mixing and Application

The packaged components are:

- Epoxy resins consisting of a base and hardener packages separately.
- Lightweight Aggregate (7.48 lbs.)

NOTE: To promote proper adhesion of underlayment, substrate must first be primed with BC-100 Bond Coat available from American Safety Technologies.

Additional Information Available: WWW.ITWAST.COM

SPECIFICATIONS

V.O.C.

- 0 lbs per gallon
(0 grams/ liter)

Pot Life

- 40 min @ 70°F (21°C)

Dry Time

- 12 hours @ 70°F (21°C)

Cure Time

- 3 Days @ 70°F (21°C)

Weight

- 1.0 lbs./sq. ft @ 1/4"

Estimated Coverage

- 16-22 sq. ft./kit @ 1/4"

Flash point

- >200°F

Aggregate

- Special Lightweight

Packaging

- Kit in 6 gallon plastic pail.

Epoxy Liquids/Aggregate

Application

A. Bond Coat

1. Pour Part B into Part A and stir thoroughly for approximately three minutes. Scrape sides and bottom of can to insure complete mixing. Apply with brush and /or short nap roller to all surfaces where EU-100 is to be applied. Avoid puddles!
2. Topping must be applied while Bond Coat is still tacky.

B. Underlayment

1. Pre-mix Part A. Mix thoroughly to a uniform consistency.
2. Mix resin by pouring Part B into Part A and stir thoroughly for approximately three minutes.
3. Pour aggregate into mixed resin container and mix approximately two minutes or until particles are uniformly wet.
4. Apply Underlayment directly over tacky Bond Coat at a minimum thickness of 1/8".
5. Apply Underlayment using standard cement finishing tools. Use low-level lighting to help avoid trowel marks.
6. Wipe trowel with a **solvent soaked** cloth to maximize trowel ability and to prevent accumulation of aggregate. Repeat as needed.
7. Allow material to cure for a minimum of 24 hours or until dry and hard.
8. Sand surface as may be necessary to make surface smooth. Clean up loose particles afterward.
9. Clean tools immediately after installation using an epoxy solvent such as xylene.

CAUTION

Read Material Safety Data Sheet before using this material. Contains epoxy resins. Catalyst contains Amines. Use only with adequate cross ventilation. Keep away from extreme heat, sparks and open flame. Avoid prolonged breathing of vapors. For dizziness, seek fresh air. Toxic material. Avoid contact with skin. Use gloves, goggles and coveralls. In case of spillage on clothing, change clothing to prevent prolonged contact with skin. Wash contaminated clothing before reuse. Discard contaminated shoes. In case of accidental contact with skin, wash immediately with soap and water. In case of eye contact, flush thoroughly with plenty of water and call physician. If swallowed accidentally, do not induce vomiting. Seek medical attention immediately.

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