



TECHNICAL DATA SHEET – EU-100 LIGHTWEIGHT

Revised:05/2024

PRODUCT 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 substrate. It will also adhere to wood, some plastic surfaces such as polyester or epoxy. 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 habability, sanitary or other wet spaces.

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-7CZ Primer.

- If exposed surface requires upgrading, apply **EU-100 Lightweight** Epoxy Underlayment before application of CF-100 System.

MIXING AND APPLICATION

EU-100 Lightweight packaged components.

1. Epoxy resins consisting of a base and hardener packaged separately.
2. Lightweight Aggregate (16.7 lbs.)

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

A. Bond Coat

1. Pour Part B into Part A and mix 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 Lightweight** is to be applied.
2. Topping must be applied while Bond Coat is still tacky, refer to BC-100 Technical Data Sheet for further information.

B. Underlayment

1. Pre-mix Part A, mix thoroughly to a uniform consistency
2. Mix resin by pouring Part B into Part A and mix 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" to maximum 1".

EU-100 LIGHTWEIGHT

EPOXY UNDERLAYMENT MIL-PRF-3135
TYPE I CLASS 2 GRADE B, TYPE II CLASS 2 GRADE B
TYPE III CLASS 2 GRADE B

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 surfaces as may be necessary to make surface smooth, clean up loose particles afterwards.
9. Clean tools immediately after installation using an epoxy solvent such as S-426.

PRODUCT SPECIFICATIONS

V.O.C	"0" lbs per gallon ("0" grams/ liter)
VOLUME SOLIDS - %	100 % by volume
POT LIFE	40 Min. @ 70°F (21°C)
DRY TIME	6 Hrs. @ 70°F (21°C)
CURE TIME	12 Hrs. @ 70°F (21°C)
ESTIMATE COVERAGE	25 sq. ft./kit @ ¼"
WEIGHT	1.0 lbs./sq.ft.@ ¼"
FLASH POINT	200°F (>110°C)
PACKAGING	Part A 1 gallon can Part B quart can Aggregate bag
SHELF LIFE	2 Years

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