



EPOXY 6150

2 COMPONENT, 2 TO 1 MIX RATIO EPOXY NON-RAPID

Product Data

Volumetric Ratio 2 to 1
Solids..... 100% (+ or - 1%)

Coverage..... 200-225 sqft/gal. at 8mil

Application Temperature 55 - 90°F
Thinning Not Required
Pot life..... 10 - 15 min.
Working Time on Floor..... 20-30 min.

Cure Time 8 hours (walking)
18 hours (light traffic)

Full Cure..... 3 to 5 days
Critical Re-Coat Time 12 hrs.

Re-Coat Time : With Accelerator. . 4 hrs.

Shelf life..... 12 months.
USDA Food & Beverage Meets Req.

Available Colors:

- Clear
- Light Gray
- Medium Gray
- Dark Gray
- White
- Black
- Tan
- Beige
- Tile Red
- Safety Red
- Safety Blue
- Safety Green
- Safety Yellow

Packaging

2 Gallon Kits for 2 car garage

Part A..... 1.33 gal.
Part B..... 0.67 gal.

15 Gallon Kits:

Part A 10 gal.
Part B..... .5 gal.

PRODUCT DESCRIPTION

E2U Epoxy 6150 is a voc-compliant, high solids, 2-component and designed as a base coat for color flake (chip) flooring. This application can be applied to new and existing concrete. E2U's Epoxy 6150 formula allows a typical floor to be installed within one day and provides excellent adhesion and hide to concrete in a single coat application. Epoxy 6150 withstands up to 9 lbs of Moisture Vapor Emissions when applied to residential garage floors up to 1,000 SQFT. Epoxy 6150 adheres to damp or dry concrete and gives ample open time for broadcasting the color flakes (chips).

APPLICATIONS

- Garage floors
- Clean rooms
- Manufacturing facilities
- Automotive showrooms
- Commercial kitchens
- Grocery Stores
- Laboratories
- Basements
- Kennels
- Restrooms
- Locker rooms
- Aisle ways

ADVANTAGES

- Essentially odorless
- Self-priming over properly prepared substrate
- Lifetime adhesion warranty
- VOC Compliant
- High color stability
- Withstands up to 9 lbs of Moisture Vapor Emissions
- Chemically resistant
- Can be accelerated to dry in 2 hours
- Low viscosity

PHYSICAL PROPERTIES

PROPERTY	VALUE	REFERENCE
Compressive Strength	10,800 psi	ASTM C 695
Flexural Strength	11,700 psi	ASTM D 790
Tensile Strength	8,900 psi	ASTM D 638
Bond to Concrete	350 psi	ASTM D 4541 Concrete fails at this point
Taber Abrasion	75-80 Mgs	ASTM D 4060
Flammability	Self-extinguishing	
Hardness, Shore D	84	ASTM D 2240
Flash Point	>200°F	



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CONCRETE PREPARATION

Before coating is applied, concrete must be:

- Dry – No wet areas
- Clean – Contaminants removed
- Profiled – Surface must be diamond ground to a CSP (Concrete Surface Profile) rating of "2"... Roughly the feel of 100 Grit Sandpaper.
- Sound – All cracks and spalled areas repaired

Note: Mechanical preparation is the preferred method of preparing concrete for coating application. Shot-blasting, diamond grinding, scarifying and scabbling are all acceptable methods.

REPAIR CRACKS

Voids, cracks and imperfections will be seen in finished coating if the concrete is not patched correctly. E2U Joint Filler (Crack Repair) and/or E2U Quick Patch to fill cracks and imperfections. After the materials are cured, diamond grind patch. If another patching material is used, contact a E2U technical representative for a compatible and approved alternative.

MOISTURE VAPOR EMISSIONS WARNING

All concrete floors without effective moisture vapor barrier are subject to possible moisture vapor transmission that may cause blistering and failure of the coating system. It is the applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine vapor emissions prior to applying any coating. Epoxy2U can supply moisture remediation products MVB15 (MOISTURE VAPOR BARRIER) that are up to 15 lbs. EPOXY2U, sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

MIXING

The ratio of E2U Epoxy 6150 is 2 to 1. That is, two parts A (resin) to one part B (hardener). Mix the following with a drill and mixing paddle. Note: If using a drill mixer, use a low speed (not to exceed 300 rpm) to prevent air entrapment.

1. Premix 1.33 gallon of Part A for 30-45 seconds.
2. Add 0.67 gallon of Part B and mix for another 60-90 seconds.
3. E2U Epoxy is designed to be immediately poured on the floor. Leaving mixed product in the container will greatly reduce pot life. Once poured out on the floor, 20-30 minutes of working time can generally be expected.

CLEAN UP

E2U Epoxy, while in an un-reacted state, may be cleaned up with hot water and degreaser. Isopropyl alcohol or acetone may be needed once the resin begins hardening. Lastly, a strong solvent like methylene chloride may be required if resin is nearly set up.

WARNING! SLIP AND FALL PRECAUTIONS

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slipresistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. E2U Flooring recommends the use of angular slipresistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. E2U or its sales agents will not be responsible for injury incurred in a slip and fall accident.

APPLICATION INSTRUCTIONS

Application of E2U Epoxy for a nominal 8 to 16 mil coating system is applied in two coats and in one pass as a top coat. For estimation purposes, use 200 SF per gallon in either case.

1. Always apply in descending temperatures. Concrete is porous and traps air. In ascending temperatures (generally mornings) the air expands and can cause out gassing in the coating. It is safer to apply coatings in the late afternoon, especially for exterior applications.
2. Optimum ambient temperature should be between 55-90°F during application. Note: Cure times are affected by ambient and slab temperatures. Temperatures of 55°F and lower can slow cure times. Temperatures of 85°F and higher will speed up working and times.
3. Mix 2gal kit of Epoxy 6150 using above mixing instructions.
4. Apply approximately 200 SF per gallon by immediately pouring out on surface in a ribbon, while walking and pouring at the same time until bucket is empty. NEVER turn bucket upside down and allow to drain.
5. Using a squeegee on a pole, pull E2U Epoxy over substrate. As a first coat over bare concrete, pull resin as thin as possible while still wetting out concrete and uniformly covering surface. This allows trapped air to escape more easily. To apply in a single coat over an Industrial Epoxy system, pull at about 200 SF per gallon.
6. Using a 3/8" non-shedding phenolic (plastic) core paint roller, roll coating forwards and backwards.
7. Lastly, back roll in the opposite direction as step 6.
8. **NOTE:** 6150 Epoxy is specifically designed to be a "Primer Coat" epoxy only, and will always need to be covered over by a full broadcast or another coat of standard 100% Solids Pigmented Epoxy or Pigmented Sealer coat.

CHIP/SILICA SAND BROADCAST INSTRUCTIONS

Chip Broadcast

1. Following Step 6 above. Broadcast Color Chips/Micro Chips (at 16 lbs. per 100 sq. ft.) by tossing them into the air and allowing them to gently rain down into the wet resin.
2. Allow to cure. Then scrape the basecoat with a drywall scraper in all directions. Vacuum small pieces and dust.

Silica Sand Broadcast

1. Following Step 6 above, gently throw the silica sand up into the air, allowing it to fall without lumping in one spot or moving the resin. Do this until the floor is totally saturated with the silica sand and the resin will not accept any more. This generally requires 1/2 to 3/4 lbs. per sq. ft.. Allow to dry for 6-8 hours.
4. Sweep floor and stone any high spots.
5. Following either method, apply seal coat of E2U Polyaspartic 85 or E2U Hybrid Polyurea at approx. 80 - 170. ft. per gallon. The coverage per gallon will depend GREATLY on the type of broadcast you applied. Contact E2U Tech Support for assistance.

Handling Precautions

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin. Some individuals may be allergic to epoxy resin. Protective gloves and clothing are recommended.

WARRANTY

E2U products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification.



MADE IN THE USA

KEEP OUT OF REACH OF CHILDREN

TECHNICAL DATA SHEET

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