E2U

TECHNICAL DATA SHEET

EPOXY 6150 Slow Cure

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

PRODUCT DESCRIPTION

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

AVAILABLE COLORS

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

PRODUCT DATA

Volumetric Ratio	2 to 1
Solids	100%(+/- 1%)
Coverage	200-225 sqft/gal. at 8 mil
Application Temperature	55°-90°F
Thinning	Not Required
Pot Life	5 min max
Working Time on Floor	30 to 40 min at 72f
Cure Time	12 hrs (walking)
Full Cure	5 days
Critical Re-Coat Time	12 hrs
Re-Coat Time With Accelerator	none
Shelf Life	12 months
USDA Food & Beverage	Meets Req.

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	8900 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	

PACKAGING

2 GALLON KITS

PART A	1.33 GAL
PART B	0.67 GAL

15 GALLON KITS

PART A	10 GAL
PART B	5 GAL

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CONCRETE PREPERATION

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 scab-bling 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 Rapid Mender 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. E2U can supply moisture remediation products MVB15 (MOISTURE VAPOR BARRIER) that are up to 15 lbs. E2U sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

MIXING

The ratio of E2U Epoxy 6150 slow 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 6150 slow 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. Do not scrape sides of bucket after pouring material out.

CLEAN UP

E2U Epoxy 6150 slow, 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 methy-lene chloride may be required if resin is nearly set up.

SPECIAL NOTE

ALL Epoxies manufactured by Epoxy2U are NOT UV stable and can and WILL amber and discolor whenexposed to UV light.

APPLICATION INSTRUCTIONS

Application of E2U Epoxy 6150 slow **for a nominal 8 to 16 mil coating system is applied in** a single 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 applica-tion. Note: Cure times are affected by ambient and slab temperatures. Tempera-tures 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 slow 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 24" rounded edge flex metal smoother on a pole, pull E2U Epoxy 6150 slow 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.

6. Using a 3/8" non-shedding phenolic (plastic) core paint roller, roll coating for-wards and backwards.

7. Lastly, back roll in the opposite direction as step 6.

8. **NOTE: E2U** Epoxy 6150 slow is specifically designed to be a "Primer Coat" epoxy only, and will always need to be covered over by a full broad-cast 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. - Ensuring FULL coverage.
2. Allow to cure. Then scrape the basecoat with a an e2u recommended 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 12 hours.
4. Sweep floor and stone any high spots.
5. Following either method, apply seal coat of E2U Low Odor Polyas-partic at approx. 80 - 170. ft. per gallon. The coverage per gallon will depend GREATLY on the type of broadcast you applied. Contact Epoxy2u Tech Support for assistance.

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 slip-resistant 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.

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.

KEEP OUT OF REACH OF CHILDREN

MADE IN USA