

## PRODUCT DATA

## PRODUCT DESCRIPTION

E2U Epoxy 6150RC (Rapid Cure) is ideal for One Day Garage System. E2U 6150RC is fast cure, VOC compliant, high solids, 2-component epoxy and designed as a base coat for color flake(chip) flooring. It can be applied to new and existing concrete and has a low viscosity. E2U 6150RC provides excellent adhesion and hide to concrete in a single coat application. E2U 6150RC withstands up to 9 lbs of Moisture Vapor Emissions when used on residential garage floors only up to 1,000 SQFT. Full Broadcast of flake (chips) is required to get a lifetime adhesion warranty. E2U 6150RC 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

NOTE: 6150 Epoxy is to be used as a PRIMER COAT ONLY and must be coated over with another pigmented epoxy, sealer or broadcast to refusal.

## APPLICATIONS

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

|  |       |   |
|--|-------|---|
| Volumetric Ratio   | _____ | 2 to 1  |
| Solids   | _____ | 100%(+/- 1%)  |
| Coverage   | _____ | 200-225 sqft/gal. at 8 mil<br>or thicker if desired |
| Pigmented Base Coat  | _____ | 8-10 mils   |
| Color Flake Coat   | _____ | 4-6 mils  |
| Application Temperature                                      | _____ | 55°-90°F  |
| Thinning   | _____ | Not Required  |
| Pot Life   | _____ | none  |
| Working Time on Floor  | _____ | 15-20 min.  |
| Cure Time  | _____ | 1.5-2 hrs (walking)<br>10-12 hrs( light traffic)    |
| Full Cure  | _____ | 2-4 days  |
| Critical Re-Coat Time  | _____ | None  |
| - After full cure surface MUST be sanded prior to next coat. |       |   |
| Shelf Life   | _____ | 12 months   |
| USDA Food & Beverage   | _____ | Meets Req.  |

## ADVANTAGES

- Fast turn around, Fast Cure
- Self-priming over properly prepared substrate
- Lifetime adhesion warranty
- VOC Compliant
- Withstands up to 9 lbs of Moisture Vapor Emissions
- Chemically resistant
- Essentially odorless
- 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 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

## 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. 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 6150RC 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 into 2gal pail (Part A) and mix for another 60-90 seconds.
3. E2U Epoxy 6150RC is designed to be immediately poured on the floor. The Pot life is less than 2 minutes. Once poured out on the floor, 15-20 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.

### 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.

## APPLICATION INSTRUCTIONS

Application of E2U Epoxy for a nominal 8 to 16 mil coating system is applied in one coat.

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 6150RC 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.

5. Using a metal smoother squeegee on a pole, pull E2U Epoxy over substrate. As a 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 forwards and backwards.

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

8. NOTE: E2U Epoxy 6150 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 10 to 12 lbs. per 100 sq. ft.) by tossing them into the air and allowing them to gently rain down into the wet resin.

2. Anything less than FULL BROADCAST NOT RECOMMENDED. And not warranted

3. 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 2- 4 hours.

2. Sweep floor and stone any high spots.

3. Application of sealer coat will vary GREATLY in SQFT per gallon depending on the type of coating you go over. Consult E2U Tech Support to advise you on best coverage rates.

### 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 USA

KEEP OUT OF REACH OF CHILDREN