

REC FLOOR 567

METALLIC EPOXY

DESCRIPTION

REC FLOOR 567 is supplied as 100% solids, self-leveling epoxy designed to be used with metallic Additive and dropped over a tinted base coat applied to sealed concrete. The epoxy is resistant to blush and has an extended working time for maximum control and freedom to create any design with dramatic color movement, depth, and shine.

PRIMARY APPLICATIONS

- Combine with Metallic Additive.
- Add 500 ml of acetone.
- Protect with a Simiron top coat.

FEATURES/BENEFITS

- Self Leveling
- Seamless
- Solvent Free
- Chemical Resistant
- Durable
- Excellent Adhesion Properties
- Impact Resistant
- Safe For Incidental Food Contact
- User-Friendly Work Time

TECHNICAL INFORMATION

PHYSICAL DATA & THEORETICAL COVERAGE

Property	Value
Components	2 (Base & Activator)
Color	Clear
Finish	High Gloss
Mix Ratio (by volume)	2 Base: 1 Activator
Curing Mechanism	Chemical reaction between components
Solids by Volume	100%
Solids by Weight	100%
Mixed Viscosity	700 cPs
VOC (EPA Method 24)	0 g/L
Minimum Recoat	16 hours
Maximum Recoat	48 hours

APPLICATION THICKNESS & COVERAGE

Property	Value
Wet Mils (microns)	32 – 80 (813 – 2032)
Coverage sq. ft./gal. (m ² /L)	20 – 50 (0.49 – 1.23)

CURE TIMES @ 72°F (25°C), 50% RH

Stage	Time
Work Time	30 – 35 minutes
Tack Free	6.75 hours
Light Foot Traffic	16 hours
Heavy Traffic	5 days
Full Cure	1 week

PHYSICAL PERFORMANCE PROPERTIES

Physical Property	Test Method	Result
Adhesion	ASTM D7234	> 400 psi (100% concrete failure)
Compressive Strength	ASTM D695	11,600 psi
Flammability	—	Self-extinguishing over concrete
Flexural Strength	ASTM D790	12,800 psi
Gloss @ 60°	ASTM D523	> 90
Hardness, Shore D (48 hrs / 1 wk w acetone)	ASTM D2240	67 / 86
Taber Abrasion (CS17, 1000 g, 1000 cycles)	ASTM D4060	50 mg loss
Tensile Strength	ASTM D638	9,600 psi
QUV Resistance (100 hrs)	ASTM G154	Ecmc = 8 (std epoxy 35), gloss 87–89

CHEMICAL RESISTANCE

Chemicals	Results	Chemicals	Results
10% Acetic Acid	Good	Methyl Ethyl Ketone	Good
Vinegar	Good	Xylene	Fair
10% Citric Acid	Good	Ethylene Glycol	Good
10% Hydrochloric Acid	Good	Isopropyl Alcohol	Fair
30% Hydrochloric Acid (Muriatic)	Good	Mineral Spirits	Excellent
10% Nitric Acid	Good	Brake Fluid	Fair
50% Phosphoric Acid	Fair	Transmission Fluid	Excellent
10% Sulfuric Acid	Good	Motor Oil	Excellent
37% Sulfuric Acid	Fair	50:1 Gas/Oil Mixture	Excellent
70% Sulfuric Acid	Fair	E85 Gasoline	Excellent
20% Ammonium Nitrate	Excellent	E95 Gasoline	Excellent
20% Sodium Chloride	Excellent	Unleaded Gasoline	Good
50% Sodium Hydroxide	Excellent	Skydrol	Excellent
Betadine	Good	Cola	Excellent
Bleach	Excellent	Ketchup	Good
Urine	Excellent	Mustard	Good
Coffee	Excellent	Red Wine	Excellent

TEMPERATURE REQUIREMENTS

Condition	°C
Air	16 – 29
Surface	16 – 29
Material	16 – 29

DIRECTIONS FOR USE

SURFACE PREPARATION

Concrete and coated concrete surfaces must be sound, clean, dry and free of contaminants such as dirt, dust, grease, oil, silicones and other contaminants that may negatively affect adhesion.

MOISTURE VAPOR BARRIER:

A suitable moisture barrier must be in place for concrete slabs on-grade. If a moisture barrier is not in place, seasonal variations in ground moisture can cause excessive moisture vapor transmission (MVT) regardless of results measured prior to coating application. MVT rate must not exceed three pounds per 1,000 square feet per 24 hours, as directed by ASTM F1869. The relative humidity (RH) of the slab must not exceed 75%, as directed by ASTM F2170. If there is a moisture situation in excess of the above rate, the use of scratch coat may be required. Consult a Reckon Representative for details and application procedures.

This epoxy is designed to be used with metallic additive and dropped over a tinted base coat applied to sealed concrete. Please see the appropriate PDS for other products.

APPLICATION PROCEDURE

REC FLOOR 567 mix ratio is 2 Parts Base to 1 part Activator by volume. We recommend installing the epoxy over a tinted base coat applied over sealed concrete to reduce out gassing on uncoated concrete floors.

- Pre-mix Base at low speed for 1 minute. Mix acetone, then add 500-1000 mL metallic Additive and mix very well in order to break up pigment agglomerate. Add Part B and mix for three minutes until uniform. Do not mix more material than can be applied in 20 – 30 minutes (material will stiffen or tack-up.)
- Immediately pour all mixed material on the floor in beads or puddles. Do not scrape sides or leave pail overturned to drain. Do not attempt to roll material out of a bucket or roller pan.
- For designs with multiple colors, repeat the steps above for each.
- Wearing spiked shoes, use a tool preferred by the artist to blend colors in order to ensure consistent coverage to minimize application lines and leave a consistent film thickness. Do not work the material after it begins to get sticky. The epoxy will not level and colored epoxy may turn a different shade.

CLEAN UP & DISPOSAL

Clean up mixing and application equipment immediately after use. Use rec cleaner, acetone or xylene; do not use alcohol. Be sure to follow all local, state and federal regulations when disposing of materials.

MAINTENANCE

To maintain the appearance and extend the life of the newly sealed surface, it is imperative to have a routine maintenance program. Dirt and debris that is tracked over a finished floor will quickly scratch and dull the surface. Place walk-off mats at entrances. Sweep and mop/scrub floors regularly using soft bristles/pads and a mild cleaner. Some cleaning products and equipment or improper use of these can damage a surface. Remove spills quickly to minimize damage and/or stains. For systems that support parked vehicles or other heavy items on rubber wheels, place a small piece of nonporous material, such as sheet metal or Plexiglas between the tires and floor to prevent tire marks.

Reapplication may be necessary in heavy traffic areas.

LIMITATIONS

- Do Not apply outdoors or where the epoxy is subject to high UV exposure.
- Do not apply at a temperature or thickness not recommended. Do not delay in pouring mixed material onto the floor.

- Do not apply over loose or unsound concrete, asphalt or bitumen substrates, glazed tile or nonporous brick and tile, magnesite, copper, metal, polyesters, or elastomeric membranes.
- Moving joints and shrinkage cracks may reflect through system. Joints that are designed to move may reflect through the finished flooring system if they are not honored.
- Tire marking may occur.

PACKAGING

REC FLOOR 567 is available in 6,12 and 20 kg pack.

STORAGE

Store **REC FLOOR 567** in its original, unopened packaging in a cool, dry place away from moisture. Avoid direct sunlight and keep bags elevated off the ground. Under proper storage conditions, the shelf life is up to 12 months. Once opened, use the product as soon as possible to avoid moisture absorption.

HEALTH & SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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