

17 Shepard Street Lawrence, MA 01843
Tel: 978-683-9411 Fax: 978-686-7729

APPLICATION AND SAFE HANDLING GUIDE KEY GUARD FLOOR RESTORE

KEY GUARD FLOOR RESTORE has been especially formulated to protect and prolong the life of NEW wooden trailer floors that will be exposed to extremely harsh caustic and acidic conditions, especially battery acid. It is also extremely effective on used trailer floors to repair delaminations and will provide a level, non-slip, DuPont* Kevlar reinforced coating.

PREPARATION

TRAILERS - NEW:

The floor must be **DRY**, and swept clean from all loose particles. For maximum adhesion, lightly sand the floor. All joints between butting boards should be filled with Key Crack Filler to provide a dam. All metal surfaces to be coated should be wiped with a suitable solvent such as methylene chloride (non-flammable) or toluene (flammable).

TRAILERS - USED:

The floor must be dry and wiped free of any puddles of oil with a suitable solvent. Sanding of the floor is necessary to obtain maximum possible adhesion. After sanding, sweep the floor. Small delaminations and joints between butting boards should be filled with Key Crack Filler to provide a dam. For floors that have already been exposed to harsh chemical environments, contact your local Key Polymer representative or Technical Services at the Lawrence Office - Tel: (978) 683-9411.

ALL TRAILERS:

The temperature for all applications should be between 60° and 90° Fahrenheit. Avoid applying and curing in open sunlight on hot days. The trailer should be kept above 65° Fahrenheit for at least 24 hours after application, for proper cure. During the drying period, leave the doors of the unit open.

SAFETY REQUIREMENTS AND PRECAUTIONS:

The components of the **KEY GUARD FLOOR RESTORE** Kit, like most paints, finishes, and adhesives, can be safely used if good work practices are followed. Please refer to the Material Safety Data Sheet for hygiene and safety.

The liquid Parts A and B, although non-red label, do contain low levels of combustible solvents; **KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION. USE WITH ADEQUATE VENTILATION, AVOID PROLONGED BREATHING OF VAPOR. KEEP CONTAINERS CLOSED WHEN NOT IN USE.**

The mixed product, with the aggregate, may have a mild odor, but it requires no more than the usual industrial precautions, i.e.: -

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Keep off skin; use of gloves is helpful; wash hands thoroughly after use.
Do not smoke or eat while using the product.
Glasses or goggles should be worn to prevent spills from getting into the eyes.
Should material contact the eye, seek medical attention immediately.

The work area should be as well ventilated as possible. A good exhaust fan with a flexible hose discharge at floor level has been found to be especially effective during application.

Consult your local Key Polymer representative or Technical Service Department,
Tel: (978) 683-9411,
if you need assistance in establishing safe work practices for your application.

MATERIALS:

Store kit at 65° Fahrenheit for at least 24 hours before applying to the floor. If possible, also maintain the temperature of the trailer or truck body at 65° Fahrenheit for 24 hours before application, to ensure proper curing.

APPLICATION:

1. MIXING:

- (a) Premix separate containers of Part A and Part B manually with stirrer included with kit. The larger container of Part A is thoroughly mixed when a uniform gray color, with no streaks, is obtained; while Part B is thoroughly mixed when a cloudy appearance is achieved.
- (b) Pour contents of one large container of Part A and one small container of Part B into a CLEAN, plastic 5 gallon pail. Mix until uniform with a Jiffy Mixer, Model #HS-15, attached to a standard air drill. If unit has a metal center strip (wiring channel), brush mixed resin onto solvent wiped channel along the entire length to act as a primer. After priming, add aggregate as in "C" to remaining mixed resin.

2. SPREADING:

Starting at the nose of the trailer, pour contents of the mixed 5-gallon pail in a line across the width of the trailer. Spread uniformly using a smooth edge (unnotched) trowel approximately 18" in size, or a suitable squeegee to cover the first 24 square foot section. For trailers where severe acidic/caustic conditions will exist, make sure to coat all metal surfaces, including bottom rails.

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This will provide a wet film thickness of approximately 1/8 of an inch, which is the minimum required for satisfactory resistance to high acidic and caustic exposure. The higher the wet film thickness, the greater the resistance to acidic and caustic solutions and the lower the coverage.

Repeat steps 1 and 2 until the entire wooden floor is coated.

After completing the unit, wait several hours before broadcasting Anti-Slip Agent, included with kit, on the partially gelled surface of the coating in order to obtain **ANTI-SLIP CHARACTERISTICS**.

3. CLEAN-UP:

When wet, use warm soapy water. When dry, use epoxy stripper.

4. DRYING:

Allow to dry and cure before putting the trailer in service. Usually 24 to 48 hours is sufficient time at a temperature of 65° Fahrenheit.

PACKAGING AND CONTENTS:

One Kit of **KEY GUARD FLOOR RESTORE** contains the following:

- 1- Full 1 gallon container of Part A
- 1 - Full 1/2 gallon container of Part B
- 1 - Preweighed bag of aggregate
- 1 - Stirrer
- 1 - Application and Safe handling Guide
- 1 - Preweighed bag of Anti-Slip Agent

Order as KEY GUARD Kit

Net weight is approximately 39 lbs. per kit.

One Kit of **KEY GUARD FLOOR RESTORE** will cover approximately 24 square feet of 1/8" wet film thickness.

NOTE: If recoating **KEY GUARD**, sand first with coarse grade sandpaper and sweep clean.

KEY GUARD FLOOR RESTORE IS USDA CHEMICALLY ACCEPTABLE FOR INCIDENTAL FOOD CONTACT FOR INDUSTRIAL USE ONLY.

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