



# ZeraPrime™ 94 OT

## Oily Surface Tolerant Epoxy Concrete Primer

### DESCRIPTION

ZeraPrime™ 94OT is a two-component, epoxy primer with outstanding mechanical and handling properties. It exhibits excellent adhesion characteristics for coating over treated petroleum-based oil contaminated concrete. It also adheres well to concrete soaked with gasoline or brake fluid.

ZeraPrime™ 94OT is highly flexible primer that adheres well to vinyl tiles and semi-rigid plastic surfaces. It has high impact resistance and resistant to mild steam cleaning.

### WHERE TO USE

- Industrial warehouses
- Storage and logistic areas
- Commercial kitchen floors
- Residential garage floors

### BENEFITS

- Bonds to marginally prepared or otherwise hard to adhere to concrete slabs
- Adheres to properly treated oil-contaminated concrete and gasoline-soaked concrete
- Easy to apply, low viscosity for maximum penetration
- High impact and thermal shock resistance
- Good flow and film appearance

### HANDLING PROPERTIES @ 23°C (74°F)

Mixing Ratio, by volume .....	2 parts A: 1 part B
Viscosity (mixed) .....	600 cps
Solids Content .....	94%
Density (mixed) .....	1.09 kg/litre (9.1 lb./US gal)
Pot Life .....	40 minutes
Minimum Application Temperature .....	10°C (41°F)
Foot Traffic/ Re-coat .....	16 hours
Vehicular/Forklift Traffic .....	36 hours
Full Cure and Maximum Resistance .....	7 days
Color .....	Grey

### DATA – Cured Film 7 days @ 23°C (74°F)/50% RH

Pull Out Tensile Adhesion (to concrete) .....	>500 psi
(ASTM D4541) .....	(concrete failure)
Intercoat Adhesion (to itself) .....	>500 psi
(ASTM D4541) .....	(concrete failure)

### SURFACE PREPARATION

Ensure that the concrete where ZeraPrime™ 94OT is to be applied is clean, sound and free of dirt, dust and must be dry. The most effective way for the preparation of the floor is to use a powerful industrial grade grinder to ensure a thorough and deep profile for adhesion. Shot-blasting tends to open oil-filled pores that will be detrimental to the application process.

### Treatment of Oily Contaminated Area:

Ensure that the substrate where the is ZeraDur 94OT is applied is to be applied is clean, sound and free of all laitance, dirt, dust, oil, grease, or foreign contaminants. The floor must be completely dry before application. If the floor is oil soaked a vigorous cleaning is required to ensure a good, bondable surface. Methods such as, solvent cleaning, steam cleaning, and water emulsion cleaners can all be considered. For emulsion cleaning, a heavy-duty detergent concrete degreaser a two-step procedure is often used which can includes a high-pressure, high-temperature floor spinner (with vacuum) to bind with hydrocarbons and “float” them to the surface for removal. Follow the instructions of the Detergent supplier. Once the floor has dried quickly following the cleaning, ZeraPrime™ 94 OT. Contact Zeraus if you require a Degreaser recommendations

### APPLICATION OF THE PRIMER

ZeraPrime™ 94 OT is applied at a coverage rate of 350 sq.ft. per U.S. gallon (4 mils dft). The mixing equipment used to mix the coating must be clean and free of any contaminants from previously used products.

- Premix component “A” of ZeraPrime™ 94OT first to eliminate the possibility of settlement. Pour all of the liquid from Part B into a Part A container.
- Mix thoroughly using a slow speed drill equipped with a mixing blade for one minute until the colour

is uniform.

- **Immediately** pour some of the mixed material onto the edges of the prepared floor and spread the material evenly with a flat squeegee (use a notch squeegee for the topcoat). Using a lint free 6 mm nap roller, back roll the applied material to provide an even coat. Care should be taken not to over-roll the material as air may become entrapped in the coating.

## LIMITATIONS

- If **ZeraPrime™ 94OT** is used on a 7-day old concrete, the primer should not be over coated with non-breathable impervious epoxy coating until the water level of the concrete is no longer a concern.
- Oily surfaces must be cleaned thoroughly with an effective commercial de-greaser according to industry standards to minimize any adhesion issue. **ZeraPrime™ 94OT** would perform far better on contaminated well-prepared concrete than any standard epoxy coatings. However, a pre-test is highly recommended to ensure the desired adhesion can be achieved.
- **ZeraPrime™ 94OT** is not intended for use over animal fat.
- The primer is slow curing, ensure it cures firmly (16 hours) before the application of the topcoat.

## COVERAGE

250-300 ft<sup>2</sup>/U.S. gallon (4 mils dft), depending on the film thickness applied and porosity of the concrete.

## PACKAGING

11 litre/ (2.9 U.S. gal.) units

3.79L litre/ (one U.S. gal.) units

## CLEAN UP

Clean all equipment and installation tools immediately after use with xylene.

## SHELF LIFE

Two years from the date of manufacture if kept in original unopened containers under normal heated warehouse conditions.

## SAFETY PRECAUTIONS

Read Material Safety Data Sheet (MSDS) prior to use.

## WARRANTY

“The recommendations made and the information herein is the result of accurate laboratory and field tests under controlled conditions. We guarantee that the quality and properties of the materials supplied conform to our standards. Zeraus Products Inc. makes no warranties, expressed or implied, as uses and applications are beyond our control. Zeraus Products Inc. shall not be liable for any injury, loss, or damage (direct or consequential) arising from use or inability to use the products. Before using, the user is urged to pre-test the products in his/her own environment to determine the suitability of the products for their intended use, and the user assumes all risk and liability whatsoever in connection therewith.

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