



DIASEAL

Single Component Epoxy Floor Sealer

1. Product Description

a. **Basic Use:** Diaseal is a thin-mil epoxy floor sealer designed to protect floors from penetration by numerous liquids and to resist mild chemical attack. Because Diaseal is a one component material, it is easy to apply with standard equipment. Diaseal adheres tenaciously to concrete and forms a continuous film for easier floor clean up and maintenance.

b. **Features/Benefits:**

- Good wear resistance compared to most one component sealers.
- Forms a continuous clear film with a semi-gloss appearance.
- Can be applied to new cured concrete or older concrete floors.
- Helps keep floors clean by resisting dirt penetration.
- Unaffected by most hydraulic fluids and all water based liquids.
- Recoatable for easy maintenance.

c. **Typical Applications:** Warehouse floors, manufacturing plants, laboratories, maintenance garages.

d. **Limitations:** Do not use on exterior concrete or brick pavers. Concrete must be dry and at least 28 days old. Do not use below 45°F (7°C).

e. **Composition:** Diaseal is a solvent-based liquid with a reactive epoxy resin.

f. **Color/Appearance:** Diaseal dries to a clear, glossy membrane.

2. Packaging

Diaseal is packaged in 1-gal. (3.8 liter) cans (4 cans per case) and 5-gal. (18.9 liter) pails.

3. Estimating/Yield

Coverage rate will vary depending on surface texture and concrete porosity. Estimate at 300 sq. ft./gal. (7.4 sq. m/liter) on textured concrete and 500 sq. ft./gal. (12.3 sq. m/liter) on smooth or troweled concrete. Some concrete may need two coats for best appearance.

4. Technical Data

a. **Drying Time:** To touch - 2 hours; hard - 24 hours.

b. **Recoat Time:** 12 to 24 hours.

c. **Dry Film Thickness:** 1.5 mils (0.04 mm) at 300 sq. ft./gal. (7.4 sq. m/liter).

d. **Flash Point:** 108°F (42°C).

e. **Ultraviolet Resistance:** Fair.

f. **Chemical Resistance:**

(Based on 24 hour spot test)

<i>Caustic Soda 10%:</i>	<i>Good</i>
<i>Salt Water:</i>	<i>Excellent</i>
<i>Oil:</i>	<i>Excellent</i>
<i>Gasoline:</i>	<i>Good</i>
<i>Hydrochloric Acid 15%:</i>	<i>Good</i>
<i>Methyl Ethyl Ketone:</i>	<i>Poor</i>
<i>Xylene:</i>	<i>Fair</i>
<i>Brake Fluid:</i>	<i>Fair</i>
<i>Transmission Fluid:</i>	<i>Good</i>

5. Directions for Use

a. **Preparation:** All concrete surfaces must be at least slightly textured. This may be accomplished with a light shotblast or acid-etch. The surface must be clean and free of any paint, coatings, sealers, or curing compounds. Concrete must be completely dry prior to Diaseal application.

b. **Ambient Conditions:** Concrete and air temperature must be 45°F (7°C) or higher. Use in a well ventilated area. Protect equipment and walls from splashing or overspray.

c. **Application:** Apply Diaseal using a fine mist sprayer, roller, lambs wool applicator or squeegee. Apply in a uniform, even film, the thinner the better. Heavy applications or build-ups must be avoided. Diaseal is catalyzed through an air drying process and may be used directly from the container. A second coat may be applied in 12 to 24 hours if the surface absorbs Diaseal or the gloss is not uniform.

d. **Clean Up:** Tools and equipment may be cleaned with DL Solvent or Waterzall Concentrate and water.

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e. Maintenance: Diaseal may be applied periodically as it wears through on traffic patterns or loses its gloss. Sand the floor lightly and make sure the surface is clean before applying.

6. Availability

Diaseal is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

7. Warranty

Diaseal is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



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