



# DIAMITE PRIMER

*Water or Solvent-Based  
Epoxy Primer*

## 1. Product Description

a. **Basic Use:** Diamite Primer is designed to be used as a primer for other Metalcrete epoxy and urethane flooring systems. Diamite Primer is available in both a water and solvent-based formulation. The water-based formulation should be used where VOC compliant materials are required or where good ventilation is not possible. Diamite Primer Conductive formulation is available for Lexite Conductive epoxy flooring applications.

### b. Features/Benefits:

- May be applied to virtually any sound, clean and dry substrate including concrete, wood, metal, brick, and stone.
- Provides positive penetration with excellent adhesive properties.
- Long pot life with quick drying characteristic allows Metalcrete flooring system application in short time after application of Diamite Primer.
- Proportioned for easy mixing.
- Helps provide additional protection against chemical attack.

c. **Typical Facilities:** Laboratories, manufacturing plants, sewage and water treatment plants, airline maintenance hangars, and chemical processing plants.

d. **Limitations:** Diamite Primer should be applied on only sound, clean and dry surfaces. Do not apply when surface and ambient temperature are below 50°F (10°C) and when temperatures exceed 100°F (38°C). Do not use Diamite Primer Conductive as a wearing surface.

e. **Composition:** Diamite Primer is a two-component liquid epoxy compound having the viscosity of conventional paint. Diamite Primer is available in a water-based or a solvent-based formulation.

f. **Color/Appearance:** Diamite Primer after thorough mixing is clear with a slight amber tint. Diamite Primer Conductive is available only in black.

## 2. Packaging

Diamite Primer is supplied in units, each containing the proper proportions of liquid components. Standard packaging information is as follows:

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### *Diamite Water-Based Primer*

<i>Unit Size</i>	<i>Binder</i>	<i>Activator</i>	<i>Shipping Wt.</i>
<i>3 gal. (11.4 liter)</i>	<i>2 gal. (7.6 liter)</i>	<i>1 gal. (3.7 liter)</i>	<i>26 lbs. (11.8 Kg)</i>
<i>15 gal. (56.8 liter)</i>	<i>10 gal. (37.9 liter)</i>	<i>5 gal. (18.9 liter)</i>	<i>130 lbs. (59.0 Kg)</i>

### *Diamite Solvent-Based Primer*

<i>Unit Size</i>	<i>Binder</i>	<i>Activator</i>	<i>Shipping Wt.</i>
<i>2 gal. (7.6 liter)</i>	<i>1 gal. (3.7 liter)</i>	<i>1 gal. (3.7 liter)</i>	<i>23 lbs. (10.4 Kg)</i>
<i>10 gal. (37.9 liter)</i>	<i>5 gal. (18.9 liter)</i>	<i>5 gal. (18.9 liter)</i>	<i>118 lbs. (53.5 Kg)</i>

## 3. Estimating/Coverage

The recommended coverage rate for both Diamite Water-Based Primer and Diamite Solvent-Based Primer is 200-300 sq. ft./gal. (4.9-7.4 sq.m/liter).

## 4. Technical Data

Diamite Primer is highly resistant to chemical attack including harsh cleaning compounds, most acids and caustics, lubricating oils and greases, vegetable oil and animal fat.

## 5 Directions for Use

a. **Preparation:** The surface to be treated must be physically sound, thoroughly clean, free of oil, wax, loose paint, rust, scale, and completely dry. New concrete must be thoroughly cured for at least 28 days before starting surface preparation. Base concrete must be acid-etched with Bitesin or shotblasted. All acid-etched concrete surfaces must be rinsed and neutralized with potable water and allowed to completely dry.  
b. **Mixing:** Thorough blending of all components is essential. Use a power drill with a Metco Jiffy mixing paddle. First, mix the binder separately; then mix the activator separately. Next, add the mixed activator to the mixed binder and thoroughly blend for at least two minutes at revolution speeds that will not entrap air bubbles into the freshly mixed Diamite Primer. Let stand for two minutes and blend again for two additional minutes.

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c. **Application:** All bare or previously uncoated surfaces should be coated with Diamite Primer. After thoroughly mixing the binder and activator together, apply Diamite Primer with a brush or roller. One coat is recommended and will usually provide excellent priming properties. Thinning with solvent is neither required nor recommended.

d. **Working Time/Pot Life:** All mixed Diamite Primer should be applied within 30 minutes after mixing.

e. **Cure Time:** Diamite Primer becomes tack-free in 3-6 hours.

f. **Clean-Up:** Waterzall Concentrate and warm water may be used for cleaning tools and equipment.

g. **Maintenance:** Diamite Primer surfaces should be cleaned with a Waterzall Concentrate and water solution. Waterzall may also be used at full concentrate strength to remove built-up deposits and stains. Diamite Primer may be reapplied to itself.

## 6. Availability

Diamite Primer 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

Diamite Primer 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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