



# DIAMITE PRIMER MVB

**100% Solids Vapor  
Barrier Epoxy Primer**

## 1. Product Description

**a. Basic Use:** Diamite Primer MVB is a two-component 100% solids epoxy primer designed to control vapor emission rates up to 20 pounds / 24 hours / 1,000 square feet. Diamite Primer MVB should be used as a primer for other Metalcrete epoxy and urethane flooring systems where there are issues associated with moisture in the concrete sub-base.

### b. Features/Benefits:

- 100% solids formulation allows for total compliance with VOC regulations.
- Provides positive penetration with excellent adhesive properties.
- Helps reduce effects of moisture transmission.
- May be applied to virtually any sound, clean and dry substrate including concrete, wood, metal, brick, and stone.
- Long pot life with quick drying characteristic allows Metalcrete coating system application in short time after application of Diamite Primer MVB.
- Proportioned for easy mixing.
- Meets ASTM F 3010 for vapor permeance.

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

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

**e. Composition:** Diamite Primer MVB is a two-component liquid epoxy compound having the viscosity of conventional paint.

**f. Color/Appearance:** After thorough mixing, Diamite Primer MVB is clear in color with a slight amber tint.

## 2. Packaging

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

### *Diamite Primer MVB*

<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>

## 3. Estimating/Coverage

The recommended coverage rate for both Diamite Primer MVB is approximately 100 sq. ft./gal. (2.45 sq.m/liter) at a thickness of 16 mils.

## 4. Technical Data

Diamite Primer MVB 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. Do not apply over gypsum based compounds or light weight concrete. Base concrete must be acid-etched with Bitesin or shot-blasted. 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 MVB. Let stand for two minutes and blend again for two additional minutes.

**c. Application:** All bare or previously uncoated surfaces should be coated with Diamite Primer MVB. After thoroughly mixing the binder and activator together, apply Diamite Primer MVB 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 MVB should be applied within about 30 minutes after mixing.

**e. Cure Time:** Diamite Primer MVB becomes tack-free in 6 - 10 hours. A top coat should be applied after 12 - 16 hours after initial application of Diamite Primer MVB.

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

## 6. Availability

Diamite Primer MVB 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 MVB 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.



***Metalcrete Industries***

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