



# DIAMITE EPOXY TERRAZZO

*Chemical Resistant and Decorative  
Epoxy Terrazzo Flooring*

## 1. Product Description

a. **Basic Use:** Diamite Epoxy Terrazzo is an epoxy based coating and colored chip system used to decorate and protect most substrates including concrete, stone, wood, metal and other coatings that are firmly bonded to the base substrate. Diamite Epoxy Terrazzo systems provide a smooth, dense and durable surface with all the beauty of conventional cement terrazzo but at a fraction of the cost.

b. **Features/Benefits:**

- Epoxy floor system is resistant to most acids, solvents, alkalis and cleaning compounds.
- Easy-to-use system may be installed by laborers with no special skills or equipment.
- Provides a seamless surface that is easy to clean and resists mildew and bacteria growth.
- Dense and durable surface is non-yellowing and resists chemical staining.
- Easily applied system reduces labor and total installation costs.
- Application over firmly bonded painted surfaces is permissible.

c. **Typical Applications:** Cafeterias, kitchens, laboratories, bakeries, hallways and corridors of hospitals, schools, penitentiaries and office buildings.

d. **Limitations:** Diamite Epoxy Terrazzo should be applied only on sound, clean and dry surfaces. Do not apply when surface and ambient temperatures are below 60° F (16° C). Do not use when in-service temperatures exceed 140° F (60° C).

e. **Composition:** Diamite Epoxy Terrazzo is a multi-component system of epoxy and pre-packaged colored chips.

f. **Color/Appearance:** Diamite Epoxy Terrazzo with colored chips is available in bright blue, brown accents, brick red, black/white, neutral brown, serpentine green, yellow verona, and taupe.

## 2. Packaging

Diamite Epoxy Terrazzo is supplied in units each containing the proper proportions of liquid components and colored chips. Packaging information for the standard unit is as follows.

<i>Standard Unit</i>					
<i>Base Coat</i>	<i>Base Coat</i>	<i>Top Coat</i>	<i>Top Coat</i>	<i>Colored</i>	
<i>Shipping</i>				<i>Terrazzo Chips</i>	<i>Wt.</i>
<i>Binder</i>	<i>Activator</i>	<i>Binder</i>	<i>Activator</i>		
<i>1 gal.</i>	<i>1/2 gal.</i>	<i>4 gal.</i>	<i>4 oz.</i>	<i>20 lbs.</i>	<i>84 lbs.</i>
<i>(3.8 liter)</i>	<i>(1.9 liter)</i>	<i>(15.1 liter)</i>	<i>(0.12 liter)</i>	<i>(9.1 Kg)</i>	<i>( 3 8 . 1 Kg)</i>

## 3. Estimating/Coverage

The recommended coverage rate for the standard unit is 150 sq. ft. (13.9 sq. m).

## 4. Technical Data

Diamite Epoxy Terrazzo is highly resistant to chemical attack, including harsh cleaning compounds, caustics, most acids, oil, grease, solvents and animal fat.

## 5. Directions for Use

a. **Preparation:** The surface to be treated must be physically sound, completely dry, thoroughly clean and free of oil, wax, loose paint, rust and scale. New concrete must be thoroughly cured for at least 28 days before starting surface preparation. Base concrete must be shotblasted or acid-etched with Bitesin. All acid-etched concrete must be rinsed and neutralized with potable water and allowed to completely dry.

b. **Priming:** All concrete to receive Diamite Epoxy Terrazzo must be primed with Diamite Primer and allowed to dry tack free.

c. **Base Coat 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 Epoxy Terrazzo. Let stand for two minutes and mix again for two additional minutes.

d. **Application of Base Coat:** After the substrate has been primed with Diamite Primer, pour the mixed Base Coat in strips or ribbons onto the primed surface. The Base Coat is best applied with the notched Lexite Spreader Tool. The 1.5 gal. (5.7 liter) quantity will cover 150 sq. ft. (13.9 sq. m). The spreading operation

should then be followed by rolling with a short-nap or foam-rubber type paint roller. The rolling operation should proceed in one direction with slow, even strokes. Avoid short, quick, back-and-forth strokes such as are commonly employed in paint rolling techniques.

**e. Broadcasting the Terrazzo Chips:** Sprinkle the Terrazzo Chips into the freshly applied Base Coat. Toss the chips upward so they descend like gentle rain. Continue broadcasting operation until all chips are uniform and completely applied. Do not broadcast chips any closer than about 2 ft. (0.6 m) from the edge of the Base Coat that has just been applied. This will insure smooth lapping of each successive batch into the previous one. A small amount of Base Coat will show through and around the edges of the chips, but shiny spots or areas indicate the Base Coat has not sufficiently been covered. Allow the Base Coat with the Terrazzo Chips to harden overnight.

**f. Top Coat Preparation (Sanding):** Remove all loose terrazzo chips that did not firmly adhere to the Base Coat by thoroughly sweeping with a stiff broom. Using a medium coarse (40-60) sandpaper, thoroughly sand surface to remove protruding chips. Continue sanding operation until surface is completely smooth. Power sanding machines may be used to expedite the sanding operation. Extreme care should be taken to prevent excessive Terrazzo Chip removal while power sanding. All dust and loose particles must be removed by vacuum cleaning.

**g. Top Coat Mixing:** Thorough mixing of glaze resin binder and glaze activator is essential. Use a power drill with a Metco Jiffy mixing paddle. Slowly add glaze activator to glaze resin binder and thoroughly mix.

**h. Top Coat Application:** After all loose particles and dust have been removed, apply the mixed Top Coat directly on the prepared Terrazzo surface at an application rate of 80 to 100 sq. ft./gal. (2.0 to 2.5 sq. m/liter). Spread the top coat as evenly and uniformly as possible with a Diamite/Lexite Spreader Tool or a stipple or medium nap roller. If a second coat is necessary to assure uniformity, the surface must be thoroughly sanded to roughen the surface to achieve excellent inter-coat adhesion.

**i. Working Time/Pot Life:** The mixed base coat should be applied to the base substrate within 10 minutes after mixing. The mixed top coat must be applied immediately after mixing to the prepared Terrazzo Chip surface

**j. Cure Time:** Diamite Epoxy Terrazzo becomes tack-free in approximately 6 hours and may be exposed to light traffic in 12 hours. Final cure time requires 3 to 5 days. All cure times are based on ambient and substrate temperature at 70° F (21° C).

**k. Clean-up:** Either DL Solvent or Waterzall Concentrate and water may be used for cleaning tools and equipment.

**l. Maintenance:** Diamite Epoxy Terrazzo 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 Epoxy Terrazzo Glaze Coat may be re-applied to itself with proper surface preparation.

## 6. Availability

Diamite Epoxy Terrazzo is normally available from your local distributor or will be shipped within 5 working days upon receipt of order. Custom colors may take up to 8 working days before shipping. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

## 7. Warranty

Diamite Epoxy Terrazzo 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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