

## Terroxy Cove Base Gel

### **Description:**

Terroxy Cove Base Gel is a two-component material consisting of a proprietary 2 component sag resistant thixotropic epoxy gel, which is designed to be mixed with a separate engineered or decorative aggregate. Cove Base Gel is designed as a resin binder for vertical mortar applications. When mixed with selected aggregates, its thixotropic viscosity produces a mortar compound suitable to install cove bases, wainscots, and other vertical applications. It is applied over compatible primer and can be applied over concrete or metal.

### **Product Benefits:**

- Chemical and stain resistant
- Excellent UV resistant properties
- Convenient mixing & easy to use
- High build
- Does not support fungal or bacteria growth
- Zero VOC content, 100% solids
- Low odor

### **Typical Applications:**

- Designed for use with resinous base
- Clear orange peel topcoat
- Clear grout for resinous floors
- Restaurants and cafeterias
- Locker rooms and restrooms
- Clean rooms and laboratories
- Classrooms and auditoriums

### **Coverage:**

Coverage rates will depend upon application technique, surface texture, porosity of substrate and job conditions. Approximate coverage per mixed gallon of Cove Gel with 80lbs of well graded quartz yields 85LF @ 4" ht. base bead x 2" toe strip.

### **Surface Preparation:**

Prepare surface by careful and thorough removal of all laitance, grease, concrete curing agents and foreign matter.

### **Installation Instructions**

#### **Mixing:**

Add Part B into Part A and mix thoroughly with a low speed mortar mixer or mortar mixing blade for three minutes and until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations. The mixing ratio for Terroxy Cove Base Gel is Two Parts A and One Part B by volume. Slowly add 80lbs of well graded quartz to the blended liquids. Mix until the quartz is fully wetted out by the Cove Gel, about 3 minutes.

#### **Applications:**

Prime substrate surface prior to application of resinous base. It is recommended that the primer coat be a mixture of Cove Gel and thickening agent similar to fumed silica. The primer can be applied with a brush or roller and should be tacky during the application of the base. Aggregate can be broadcast into the wet primer in order to assist with hanging the cove.

Begin by spreading the blended resin and aggregate mix with a rectangular or margin trowel. After spreading uniformly, the cove should be flattened and closed with a finish trowel. After cove has cured (12-16), apply optional grout and topcoats.

#### **Limitation:**

Slab on grade requires vapor/moisture barrier. Do not thin this product. Solvents may prevent proper curing. Substrate temperatures should be 50°F (10°C) minimum and rising. For best results, material should be maintained

and stored at temperatures between 65° - 75°F (18° - 24°C) during prior to and during application. Minimum age of concrete - 28 days. Material becomes a vapor barrier after cure. Concrete or masonry must be tested for water-vapor transmission prior to application. Do not use in expansion joints (moving joints).

**Cure Time:**

Allow to cure overnight (a minimum of 16 hours) at 75°F (23.8°C) surface temperature before opening to traffic. Material cures more slowly at lower temperatures.

**Technical Data:**

Property	Method	Results
Weight at 1/8" (3.175 mm) Thickness	-	1.0 – 1.2 lbs. /ft <sup>2</sup> (4.9 – 5.9 kg / m <sup>2</sup> )
Flammability	ASTM D-635	Self-extinguishing
Fungus & Bacteria Resistance	MIL-F 52505 S4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew and bacteria tests specified in TT-P.34
Hardness	ASTM D-2240, Shore D	77-85
Bond Strength	ASTM C-1583-04 / ACI COMM 403, Bulletin59-43 (pages 1139-1141)	350 psi minimum (100% concrete failure) (2.41 MPa)
Compressive Strength	ASTM C-579, Cured at 7 Days	14,500 psi minimum (100 MPa)
Tensile Strength	ASTM C-307	2,000 psi minimum (13.8 MPa)
Thermal Shock Resistance	ASTM C-501	Passes
Thermal Coefficient of Expansion	ASTM C-531	25 x 10 <sup>-6</sup> inches per inch/degrees Fahrenheit maximum
Chemical Resistance	ASTM D-1308	No deleterious effects when exposed to: <ul style="list-style-type: none"> <li>•Distilled Water</li> <li>•Salt Water 20W Motor Oil</li> <li>•5% Acetic Acid</li> <li>•5% Ammonium Hydroxide</li> <li>•10% Hydrochloric Acid</li> <li>•5% Tri-sodium Phosphate</li> <li>•10% Nitric Acid (slight stain)</li> <li>•Slight softening when exposed to: <ul style="list-style-type: none"> <li>- 95% Ethyl Alcohol</li> <li>- Mineral Spirits</li> </ul> </li> <li>•Cola Syrup</li> <li>•50% Citric Acid</li> <li>•10% Sulfuric Acid</li> <li>•10% Sodium Hydroxide</li> </ul>

**Clean Up**

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents

**Maintenance:**

After completing the application of Terroxy Industrial Coating, the installer should provide the owner with proper maintenance instructions. If the floors become slippery due to animal fats, oil, grease, soap or other topical residue, promptly remove contaminants and rinse thoroughly.

Terroxy Industrial Coating is easily cleaned with neutral pH Balance Cleaners or detergents. Routine hand scrubbing is recommended for all surfaces having a slip resistant texture.

**Technical Service:**

Terrazzo & Marble Supply Companies, distributor of Terroxy Resin Systems, provides services and consultations on material selection, specifications and troubleshooting concerning proper thin-set epoxy terrazzo installation. Contact our **Terrazzo Sales Desk at 800.7.MARBLE** or **T&M Technical Department at 708.385.6633** for questions or assistance.

**Precautions:**

Refer to cautionary information printed on the product container. For medical emergencies, contact Chemtrec, the Chemical Emergency Transportation Center, at 800.424.9300.

**Warranty:**

Terrazzo & Marble Supply Companies warrants for a period of one (1) year that Terroxy Cove Base Gel will be free of manufacturing defects and will conform to published specification when handled, stored, mixed and applied in accordance to recommendations of Terrazzo & Marble. If Terroxy Cove Base Gel fails to meet this warranty, the liability of Terrazzo & Marble will be limited to replacement of any non-conforming Terroxy Cove Base Gel only if notice of such non-conformity is given to Terrazzo & Marble within one (1) year from the delivery of materials. Terrazzo & Marble may, according to its discretion, refund the price received by Terrazzo & Marble in lieu of replacing the Terroxy Cove Base Gel. No customer, distributor or representative of Terrazzo & Marble is authorized to change or modify the published specification of this warranty in any way. No one is authorized to make oral warranties on behalf of Terrazzo & Marble. In order to obtain replacement or refund, the customer must provide written notice containing full details of the nonconformity. Terrazzo & Marble reserves the right to inspect the non-conforming Terroxy Cove Base Gel prior to replacement. Except for the expressed warranty stated above, there is no other warranties, expressed or implied, including without limitation, implied warranty of merchantability or fitness for purpose. Terrazzo & Marble's obligation shall not extend beyond the obligations expressly undertaken above and Terrazzo & Marble shall have no liability or responsibility to the purchaser or any third party for any loss, cost, expense, damage or liability, whether direct or indirect, or for incidental or consequential damages.