



# TerraChip® BaseRedLine

## Technical Data Sheet

### Product Description

**TerraChip® Base RedLine** is designed as a quick curing version of **TerraChip Base**. Once applied, **TerraChip Base RedLine** can be ready for scraping in as little as 1 hour, maximizing application efficiency and minimizing facility and applicator downtime. In addition, **TerraChip Base RedLine** Part B can be blended with standard **TerraChip® Base** Part B to customize the curing speed.

**TerraChip Base RedLine** is a two component 100% solids epoxy. It is typically tinted Light Gray, White Brown, or Tan.

### Features and Benefits

**Excellent Adhesion:** Outstanding bond to concrete

**Rapid Cure:** Minimizes downtime. Ready for scraping in less than 1.5 hours at 75 degrees.

**100% Solids:** Low odor makes it ideal for use in Pharmaceutical and Food & Beverage facilities

**Low Temperature Cure:** Can be applied at lower temperatures than standard TerraChip Base.

**Customizable:** Can be blended with standard Basecoat to customize cure speed.

**Aesthetic:** Provides an attractive finish as part of the TerraChip flooring system. Designed to hold chips in place to ensure an even pattern

### Applications

Pharmaceutical Production and Storage Areas

Laboratories

Food and Beverage Processing Areas

Cafeterias and Kitchens

Garages

Hospitals and Health Care Facilities

Lobbies, Aisles, and Offices

Showrooms

Restrooms, Showers and Locker Rooms

Animal Holding Areas

### Application Overview

#### Environment

Apply when air, surface, and material temperatures are between 50°F and 85°F. The surface temperature must be at least 5° above the dew point to prevent moisture condensation.

#### Substrate

The concrete must be structurally sound and free of oil, grease, and other contaminants. When applying directly to concrete, the concrete must first be prepared by shot blasting, scarifying or acid etching to create a surface profile equivalent to 40-60 grit sandpaper.

#### Mixing

Part "A" should be mechanically pre-mixed for 60 seconds before adding Part "B". After adding Parts "A" and "B" together, mix for 90 seconds. Do not hand mix.

#### Application

Immediately pour activated product on the substrate and, using a squeegee, pull out the material at the desired coverage rate.

#### Rolling

Using a 3/8" nap, non-shedding roller, roll the product in both directions to ensure even coverage.

#### TerraChip Aggregate

Broadcast the chips in an upward motion to allow them to rain onto the surface evenly. Broadcast within 15 minutes of application of TC BaseCoat. 16 pounds of chips are required for 100 square feet.

#### Sealer

Remove the excess chips by scraping. Vacuum the surface. Apply **TerraThane** at 125-150 square feet/gallon

**Please refer to TerraChip Application Instructions for complete application details. Information here is summarized and is to be used only as a guideline.**

### Recommended Uses

- Basecoat for TerraChip® System

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## Product Limitations

### Rising Temperatures

Concrete will outgas during periods of rising temperatures. To prevent bubbling, always apply when the application and cure temperatures will be constant or decreasing.

### Cracks

Moving cracks in the substrate are likely to transfer to the coating unless treated properly.

### Moisture

All concrete surfaces should be tested for moisture before applying a seamless coating. Water vapor transmission upwards through on-grade (or below grade) concrete slabs may result in system failure. If moisture emissions exceed 3 lbs./1000 sq. ft./24 hours, use of TerraPrime MM may be required prior to application of the coating system. Contact the manufacturer before application.

## Safety

This product is intended to be installed by experienced professionals. Read the MSDS and product label for complete safety information before using. Avoid contact with all materials to prevent irritation. Use only with adequate ventilation.

Safety glasses, gloves, and protective clothing should be worn at all times while handling this product. Avoid exposure to eyes and skin as isocyanate resins and amine hardeners can cause mild to severe skin irritation.

## Maintenance

Do not wash the floor within 5 days of installation. Exposure to water before the floor is completely cured may dull the finish. Damp mop as needed with a clean mop head and clean, warm water with a mild detergent or degreaser. Rinse thoroughly to avoid leaving residue. When using a new cleaner for the first time, test clean an inconspicuous area to ensure compatibility with the floor.

## Storage

Store material in a cool, dry location away from flames. When stored properly, the shelf life will be a minimum of 1 year.

## Warranty

American Industrial warrants its products to be free of defects in material and workmanship. This warranty specifically excludes the following: problems due to irregularities in the substrate, failures caused by moisture migration through the substrate, changes in color and gloss. Claims must be made within 12 months of installation of material.

## Physical Properties

<b>Components</b>	2	
<b>Mix Ratio (A:B)</b>	2:1	
<b>Solids</b>	100%	
<b>Packaging</b>	3 gallon kit	2 gal A/1 gal B
<b>Coverage</b>	150 sq. ft./gallon	
<b>Application Temperature</b>	50°F-85°F	
<b>Viscosity (mixed)</b>	11,000 cps	
<b>Pot Life (8 oz @ 72°F)</b>	15 minutes	
<b>Working Time (72°F)</b>	20 minutes	
<b>Cure Time (75°F)</b>	1.5 hours (scrape) 5-24 hours (recoat)	
<b>Flash Point</b>	Part A: >200°F Part B: >200°F	
<b>Shelf Life</b>	12 months	
<b>USDA: Food and Beverage</b>	Meets requirements.	

## Performance Properties

<b>Adhesion</b> (ASTM D-4541)	>250 psi (concrete fails)
<b>Hardness</b> (ASTM D-2240)	84 Shore D
<b>Abrasion Resistance</b> (ASTM D-4060) cs-17 wheels, etc	55 mgs.
<b>Maximum Service Temperature</b>	180°F

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