



# TerraTono™

## Technical Data Sheet

### Product Description

**TerraTono** is a decorative epoxy designed to provide the appearance of stained concrete while also providing a protective coating over the concrete. **Effectorator** is used to create the desired pattern. **TerraThane** is used as the high gloss finish coat for the system. **TerraGrip** can be added to the **TerraThane** to provide slip resistance.

**TerraTono** is a two component 100% solids epoxy coating cured with a cycloaliphatic amine. **Effectorator** is a solvent borne surface active agent. **TerraThane** is a 100% solids two component polyurea. It is supplied clear

### Features and Benefits

**Attractive:** Distinct multi-dimensional appearance; High gloss finish with excellent gloss and color retention.

**Nonporous:** Prevents chemical migration to the substrate which can cause disbonding and environmental contamination.

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

**Chemical Resistant:** Provides resistance to many common chemicals. Consult your distributor for recommendations.

**Excellent Adhesion:** Bond is stronger than concrete substrate.

**Hygienic:** Sealed surface allows easier cleaning.

### Applications

Restaurants  
Retail Stores  
Showrooms  
Food and Beverage Plants  
Cafeterias and Kitchens  
Lobbies, Aisles, Offices  
Pharmaceutical Plants

### Application Overview

#### Environment

Apply when air, surface, and material temperatures are between 65°F and 90°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 shotblasting, 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.

#### Effecting

Lightly spray the rolled material with the **Effectorator**. This process may be repeated as desired.

#### Recoating

**TerraThane** finish coat must be applied within 24 hours, or the cured material must be sanded before application.

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

### Recommended Uses

Thin film system (15-20 mils)

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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-ground concrete slabs may result in loosening of epoxy floors or improper curing of epoxy materials. If moisture emissions exceed 3 lbs./1000 sq. ft. 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 epoxy resins and hardeners can cause mild to severe skin irritation.

## Maintenance

The amount of cleaning required will be dependent on the service conditions and appearance desired. 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 mophead 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>	TerraTono TerraThane	150 sq. ft./gallon 200 sq. ft./gallon
<b>Application Temperature</b>		65°F-90°F
<b>Viscosity (mixed)</b>		800 cps
<b>Pot Life (1 gallon-72°F)</b>		15 minutes
<b>Working Time (72°F)</b>		30 minutes
<b>Cure Time</b>		10 hours (foot traffic) 10-24 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	75 mgs.
<b>Maximum Service Temperature</b>	180°F

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