



# TerraTono®

## Technical Data Sheet

### System Description

**TerraTono®** is a seamless flooring system that uses specialty metallic pigments to create a distinctive, decorative look. By varying the number and types of colors chosen, and adjusting the technique in dispersing the final coating, the applicator can create a system that resembles stained concrete or something even more dramatic.

The **TerraTono** system can be installed in as few as 2 steps. **TerraPrime** is used as the prime coat due its excellent adhesion and handling properties. **TerraTono Powder Packs** are added to the coating prior to its application to provide a background color. When rapid turnaround is necessary, **TerraPrime Redline** can be substituted for standard **TerraPrime**. **TerraThane® BlueLine** is used as a final coat and exhibits outstanding color and gloss retention. It is a high solids polyurea, into which the **TerraTono™ Powder Packs** are added, that creates the final metallic look. **TerraThane® BlueLine** exhibits outstanding physical properties, stain resistance, and is formulated for extended working time. **Effectorator** is a solvent born agent that is dispersed over the **TerraThane BlueLine** to create the mottled effect. If a high gloss finish is not desired, an additional coat of **TerraThane Satin** will provide a durable satin finish.

### Features and Benefits

**Aesthetic:** Provides an attractive finish with endless design capabilities. Exhibits superior gloss and color stability.

**Sanitary:** Seamless, non-porous finish for easy cleanups.

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

**Artistic:** Can blend multiple colors to create a unique look.

**Excellent Adhesion:** Bond strength exceeds concrete tensile strength.

### Applications

Restaurants  
Retail Stores  
Showrooms  
Cafeterias  
Lobbies  
Hospitals and Health Care Facilities  
Lobbies  
Offices  
Schools & Universities  
Garages  
Basements

### Application Overview

#### Environment

Apply when air, surface, and materials are between 60°F and 90°F. The surface temperature must be at least 5° above the dew point to prevent moisture condensation.

#### Substrate

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

#### Application

TerraTono Pigment packs are added to both the TerraPrime and TerraThane BlueLine products. TerraPrime is applied at 150 sq. ft./gallon and subsequently TerraThane BlueLine is applied at 125-150 sq. ft./gallon. Using an adjustable nozzle sprayer, Effectorator is applied over the TerraThane BlueLine immediately after its application.

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

### 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.

The technical data and suggestions presented here are believed to be reliable and accurate at the time of publication. American Industrial makes no warranty, expressed or implied, based on this literature. Published technical data and recommendations are subject to change without notice.

## 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 epoxy resins and 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.

## Performance Properties

**Adhesion** (ASTM D-4541) >250 psi (concrete fails)

**Hardness** (ASTM D-2240) 84 Shore D

**Abrasion Resistance** (ASTM D-4060) 55 mgs. cs-17 wheels, etc

**Porosity** (NACE TM-01-74) 0.0

**Flammability** (ASTM D-635) Self-extinguishing

**Maximum Service Temperature** 150°F

## Chemical Resistance

Acetone 0-40%	II	Glycerine	I	Sugar	I
Alcohol, Isopropyl	I	Glucose	I	Sulfuric Acid (0-30%)	I
Beer	I	Hydrochloric Acid (37%)	II	Sulfuric Acid (50%)	III
Bleach (5%)	I	Hydraulic Fluid	I	Sulfuric Acid (98%)	NR
Blood	I	Hydrogen Peroxide (10%)	II	Tetrachloroethylene	III
Boric Acid	I	Jet Fuel	I	Toluene	II
Carbon Tetrachloride	II	Lactic Acid (30%)	II	1-1-1 Trichloroethane	III
Calcium Hydroxide (50%)	I	Mineral Oils	I	Trisodium Phosphate	I
Chromic Acid (10%)	I	MEK	III	Urine	I
Citric Acid	I	Perchloroethylene	I	Vinegar	I
Deionized Water	I	Phosphoric Acid (40%)	II	Water	I
Detergents	I	Phosphoric Acid (80%)	NR	Xylene	II
Diesel Fuel	I	Propylene Glycol	III		
Ethylene Glycol	I	Salt Water	I		
Fats & Fatty Acid	I	Sodium Benzoate	I	I	Prolonged contact
Formaldehyde (0-30%)	II	Sodium Carbonate	I	II	Splash and spill exposure
Formic Acid	NR	Sodium Hydroxide (50%)	I	III	Caution
Gasoline	I	Sodium Hypochlorite (15%)	II	NR	Not Recommended

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