



TerraThane[®] Satin

Technical Data Sheet

Product Description

TerraThane[®] Satin is designed to be used as the finish coat of the **TerraChip[®]**, **TerraTono[®]** and **TerraQuartz[®]** systems. It provides outstanding wear protection and excellent stain resistance similar to standard TerraThane, but with a satin finish when a high gloss is not desired. **TerraGrip** can be added to **TerraThane Satin** to provide slip resistance.

TerraThane Satin is a 100% solids, two component polyurea. It is supplied clear.

Features and Benefits

Non-yellowing: Provides outstanding color stability

Satin Finish: Provides a knock down gloss, ideal for high traffic areas and masking imperfections.

Long Lasting: Provides excellent resistance to mechanical wear and continual cleanup

Sanitary: Seamless, non-porous finish results in easy cleanup

Stain Resistant: Provides resistance to a variety of chemicals and cleaners. Consult your distributor/installer for specific recommendations.

Chemical Resistant: Provides resistance to a variety of chemicals. Consult your distributor for specific recommendations

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
Airplane Hangars
Restrooms, Showers and Locker Rooms
Animal Holding Areas

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 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 floor and, using a squeegee, pull out the material at the desired coverage rate. TerraThane is best applied with a short, thin, flexible squeegee.

Rolling

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

Recoating

If additional coats are desired, they must be applied within 24 hours, or the cured material must be sanded before application.

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

Recommended Uses

- Light-stable finish coat for TerraChip System
- Light-stable finish coat for TerraQuartz System
- Light-stable sealer for TerraRich[®]/TerraSeal applications
- Light-stable sealer for TerraTono System

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 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

Components		2
Mix Ratio (A:B)		2:1
Solids		100%
Packaging	3 gallon kit	2 gallons A/1 gallon B
Coverage	Finish Coat	150-250 sq. ft./gallon
	Over TerraChips	125-150 sq. ft./gallon
Application Temperature		60°F-90°F
Viscosity (mixed)		400 cps
Pot Life (8 oz. @ 72°F)		20 minutes
Working Time (72°F)		20 minutes
Cure Time		14-20 hours (foot traffic) 14-24 hours (recoat)
Flash Point		Part A: >200°F Part B: >200°F
Shelf Life		12 months
USDA: Food and Beverage		Meets requirements.

Performance Properties

Adhesion (ASTM D-4541)	>250 psi (concrete fails)
Hardness (ASTM D-2240)	80 Shore D
Abrasion Resistance (ASTM D-4060) cs-17 wheels, 1000 grams, 1000 cycles	35 mgs.
Maximum Service Temperature	180°F

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