



# Tuscan

## Polymer Modified Cement Coating

### PRODUCT DESCRIPTION AND USE

Sundek Tuscan Texture is a two-component trowel applied cement coating application. It is material capable of obtaining excellent adhesion to dry, properly prepared concrete. Sundek Tuscan Texture is a cement coating that can be colored to any of the existing 17 standard colors or to any special one requested by the end user, with the capability to incorporate about any pattern and color effect, it can also be colored by any SunStain application. The material releases soils easily making it easy to clean and has excellent resistance to a broad range of chemicals. It is a fast drying material and in most cases, areas being coated can be back to service the following day from completion. Sundek Tuscan texture effect provides the old world European elegance you desire with an investment you can live with. Sundek Effects such as Custom Scoreline, Aggregate Effects and Masonry Effects can be added to further enhance a projects appeal.

### Chemical Composition

Portland cement, various sizes of sand, vinyl acetate emulsion, and water based acrylic.

### Colors

White, Tan, Grey and Red. Can be colored by Sundek Finish coat, SunGlaze or any product from SunStain systems.

### Limitations

- Surface must be mechanically prepared and dry.
- Concrete surface to be coated needs to be structurally sound.
- Do not install over soft surfaces such as vinyl or any rubberized coating.
- Do not install over metal or wood.
- Do not install if rain or cold weather is forecasted.

### TECHNICAL DATA

#### Physical Properties

Mixing Ratio:

Sundek Additive.....	1.5 quarts
Water.....	3 quarts
Sundek Premix.....	.45 pounds
Pot Life (77 degrees, 25% R.H.).....	25 minutes

Pot Life is reduced by increasing humidity and/or temperature.

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Dry Times (77°F, 25% R.H.)

- Dry to Touch ..... 1 hour
- Light Traffic ..... 2 hours
- Vehicle Traffic ..... 72 hours
- Full Chemical Resistance.. 72 hours

**Performance Properties**

- Weights lbs/ft @ 3/16” ..... 1.3 lbs
- Thickness (Typical)..... 3/16”
- Bond strength (ASTM C297)..... 469 psi
- Freeze-Thaw (ASTM C-67)..... No Breakage < 1% weight loss
- Abrasion Test (ASTM D-1242)..... .0328 in = 3000 psi Concrete
- Absorption Test (ASTM S-570)..... 12.7%
- Wind Uplift 1-52 Test Procedure @ 190 mph=..... Recover Set/.020 in
- Percolation Test (ASTM D-1242) 48”/48hr..... <1%
- Impact Resistance Mil D-3134 F..... No Breakage/<.001 in

**CHEMICAL AND STAIN RESISTANCE**

- Heavy duty detergent solution..... no effect
- Ammonia solution – 5%..... no effect
- Prestone coolant..... no effect
- Kerosene..... no effect
- Soap solution – 1%..... no effect
- Diesel fuel..... no effect
- Turpentine..... no effect
- Gasoline..... no effect
- Paint thinner..... no effect
- Tuolene..... no effect
- Industrial detergent..... no effect
- Salt 20% solution..... no effect
- Transformer oil..... superficial darkening
- Sulfuric acid – 3%..... superficial bleaching
- Sulfuric acid concentrated..... considerable darkening
- Hydraulic fluids..... considerable darkening
- Lubricating oil ..... superficial darkening

**GENERAL INFORMATION**

**Moisture Vapor Emissions/Alkalinity Precautions**

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission and related high levels of alkalinity that may lead to blistering and failure of the coating system. It is the coating applicator’s responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions or alkalinity are present before applying any coatings. These test kits are available from SDP. Sundeck Products USA, Inc. and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions or related high levels of alkalinity.

**Surface Preparation**

If application is done directly over concrete, the surface must be clean, dry and profiled. Preparation must be done by shot blasting or diamond grinding. Surface must have a profile that

resembles 100-120 grit sandpaper. If diamond grinding do not polish the surface. 30 grit diamonds are recommended. Remove any hollow or none structurally sound surface. Power wash surface and remove any standing water to eliminate contaminant residue.

### **Mixing Instructions**

For Base Coat application, mix per each 45 pound bag of Premix, 6 quarts of pre-mixed Sundek Additive (2 parts water, 1 part Additive). Mix for about 2 minutes and then proceed to install.

For Tuscan Texture Coat application, mix per each 45 pound bag of Premix, 5 quarts of pre-mixed Sundek Additive (2 parts water, 1 part Additive). Mix for about 2 minutes and then proceed to apply.

### **Application Recommendations**

For Base Coat applications, trowel, squeegee or hopper gun spray application may be used, for Tuscan Texture Coat, trowel on to surface at 1/8 in thick, in a skip and drag fashion to achieve desire texture.

### **Recommended coverage**

For Base coat, 200-300 sq. ft. per bag is recommended, although substrate profile will dictate final coverage. For Tuscan Texture Coat application, 150 sq. ft. per bag is recommended to achieve desired knock down texture effect.

### **Handling Precautions**

Use only with adequate ventilation/or a cartridge type respirator designed to be used for concrete dust. Avoid contact with skin, wear protective gloves. Read Material Safety Data Sheet before using.

### **Slip and Fall Precautions**

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Sundek Products USA, Inc. recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Sundek Products USA, Inc. or its sales agents will not be responsible for injury incurred in a slip and fall accident.

### **WARRANTY INFORMATION**

Sundek Products USA, Inc. guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. SUNDECK PRODUCTS USA, INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Sundek Products USA, Inc. shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. Sundek Products USA, Inc. shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.