



# SunSplash

## Polymer Modified Cement Coating

### PRODUCT DESCRIPTION AND USE

SunSplash is a two-component sprayed cement application. It is a material capable of obtaining excellent adhesion to dry, properly prepared concrete. Sundek SunSplash 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. 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.

SunSplash was developed as a pool deck concrete resurfacing product due to its non-skid properties, easy to clean and coolness under hot climate conditions. Because of its capabilities for large array of patterns and color effects, is also being used on driveways, patios, entryways, sidewalks, balconies, etc

### Chemical Composition

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

### Colors

Bone White, Oyster White, Franciscan Tan, Indian Wheat, Mission Tan, Sable, Coral, Mojave Sand Terra Cotta, Brandy Wine, Brick Red, Tweed Gray, Pewter Gray, Peking Blue, Slate Blue, Smoke Gray and Cumberland. Custom colors also available.

### 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

T  
E  
C  
H  
-  
A  
P  
P  
S  
H  
E  
E  
T

Pot Life (77 degrees, 25% R.H.).....	15 minutes
Pot Life is reduced by increasing humidity and/or temperature.	
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
Accelerated Aging Test (ASTM A756 D & E).....	no effect
Freeze-Thaw (ASTM C-67).....	No Breakage < 1% weight loss
Slip Resistance (S.C.O.F.) (ASTM C-1028).....	.81 Wet - 1.03 Dry
Abrasion Test (ASTM D-1242).....	.0328 in = 3000 psi Concrete
Absorption Test (ASTM S-570).....	12.7%
Weatherometer (ASTM G23) 2000 hrs.....	no effect
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
Fire Resistance (ASTM E108/UBCSTD #32-7/UL790).....	Class A

**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 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 spray.

## **Application Recommendations**

For Base Coat applications, trowel, squeegee or hopper gun spray application may be used, for Texture Coat, Spray by hopper gun with a constant airflow at 15 lbs and the nozzle tip opening of a ¼ in.

## **Recommended coverage**

For Base coat, 200-300 sq. ft. per bag is recommended, although substrate profile will dictate final coverage. For Texture application, 150 sq. ft. per bag is recommended to achieve desired consistency.

## **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.