



112 & 113 Premix

Polymer Modified Cement Overlay

PRODUCT DESCRIPTION AND USE

Sundek Premix is a proprietary blend of Portland cement with various sizes of aggregates, fillers and additional items to enhance performance, hardness, and durability. Premix is available in both white (#112) and gray (#113). Premix is designed to be mixed with either Sundek's line of additives for Sundek's cementitious overlays, such as: Classic Texture, Tuscan, SunSplash, Broom Finish, and more. Regardless of the specific system or application, Premix is designed to be durable topping when properly sealed.

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.
- Slab and ambient temperature above 40° F

TECHNICAL DATA

Physical Properties

Mixing Ratio:

Sundek Additive.....	1.5 quarts
Water.....	3 quarts
Sundek Premix.....	45 pounds
VOC Premix & Additive.....	< 50 g/l
VOC Select Finish Coat (<i>varies with color & pigment loading</i>)	< 150 g/l
VOC Premium & Premium Plus Finish Coat.....	< 100 g/l
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

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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. Sundek 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. **New concrete must be cured for a minimum of 7 days**

Mixing Instructions

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

Recommended coverage

For Base coat, 200-300 sq. ft. per bag is recommended, although substrate profile will dictate final coverage. For 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 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. Sundeck 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. Sundeck Products USA, Inc. or its sales agents will not be responsible for injury incurred in a slip and fall accident.

WARRANTY INFORMATION

Sundeck 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. Sundeck Products USA, Inc. shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. Sundeck 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.