



2-Component Cement-based Microtopping in two versions: SunCanvas & SunCanvas Fine

PRODUCT DESCRIPTION

SunCanvas microtopping is a polymer-modified, two component, cement-based universal coating that can be applied over a variety of surfaces including concrete, masonry, and tile. It consists of a unique vinyl – acrylic polymer liquid that is mixed with a unique proprietary cement and aggregate blend. SunCanvas is applied in one or more coats by hand trowel, brush, roller, or squeegee to a typical thickness of 1/16" (16mm) per coat.

Designed for both exterior and interior use, SunCanvas restores and protects concrete surfaces from the consequences of exposure to water and salt intrusion, freeze thaw damage, and carbonation. SunCanvas is an extremely durable coating that is "breathable" and allows for the transmission of inherent moisture vapor within concrete without blistering or delaminating. SunCanvas is available in a white (stocked) and natural cement gray (special order). The white can be colored or tinted to match Sundek's Integral Concrete Color (IC) Selection color chart. Both the white and gray SunCanvas are available in two versions: SunCanvas & SunCanvas Fine. SunCanvas Fine utilizes a much finer aggregate than SunCanvas for an extraordinarily smooth finished surface. Two coats of SunCanvas will provide a wide array of desired looks on its own; however, when an ultra smooth 'burnished' and 'mottled' look is desired, add at least two additional coats of SunCanvas Fine.

KEY FEATURES AND BENEFITS

- ◆ Provides a trowelable cementitious coating for exterior and interior concrete surfaces, that is extremely hard and durable.
- ◆ Extraordinary adhesion and its ability to withstand prolonged pedestrian and vehicular traffic.
- ◆ Provides a tough water-retardant coating that substantially reduces water penetration, freeze-thaw scaling, and concrete carbonation.
- ◆ It is a "breathable" coating that releases normal entrapped vapor without loosening or blistering.
- ◆ SunCanvas is available in two base colors – white and natural cement.
- ◆ Sundek IC Tint Paks are available in 10 colors Standard Colors. Special order custom colors are also available.
- ◆ Recommended Thickness: 90 mils (3/32")(2.38mm) up to 1/4 inch thick.

TECHNICAL INFORMATION

Pot Life.....	about 30 min	Coverage - SunCanvas.....	400 - 600 ft ² per bag
Recoat Time.....	varies with weather, 2 - 4 hrs	Coverage - SunCanvas Fine	600 - 800 ft ² per bag
Light Traffic.....	allow 8 hrs	Application Temp Limits.....	55°F↑ - 90°F↓
Heavy/Vehicular Traffic.....	at least 72 hrs	Cure Time before staining or sealing	allow at least 24 hrs

GENERAL INFORMATION

Moisture Vapor Emissions/Alkalinity Precautions

It is the coating applicator's responsibility to conduct moisture vapor testing to determine if excessive levels of vapor emissions or alkalinity are present before applying any coatings. Contact Technical Services for additional support. Sundek Products USA, Inc. and its sales agents will not be responsible for coating failures due to high moisture vapor emissions or related levels of alkalinity.

Surface Preparation For proper adhesion, surface must be profiled to a CSP 2-3 (80-100 grit sandpaper), absolutely dry, clean and free from all dirt, wax, oil, chalk, incompatible paint or detergent film. All cracks and joints should be properly treated. Joints must be honored.

Additive Selection: For all interior applications and exterior applications in high humidity (i.e. Gulf Coast) we recommend using the 214 HP Acrylic Additive. For exterior applications, especially those subjected to multiple freeze/thaw cycles, we recommend using our 210 Concentrated Additive. In either case, dilute the concentrated additive—2 parts water to 1 part additive concentrate and mix thoroughly.

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Mixing: If integrally coloring the SunCanvas or SunCanvas Fine, add the colorant required for one bag to 2.5 gallons of diluted additive and mix thoroughly (at least for 1 minute) with a drill and Jiffy mixer. We recommend Sundek's IC Tint Paks. Most colorants require at least 1-2 minutes of mixing to fully wet out.

To the premixed diluted additive, slowly add the 55 lb bag of microtopping while mixing. Note that mixing one full bag will not fit in a 5-gal pail, so split between two pails. After the material has been mixed free of any obvious lumps, continue to mix thoroughly for 2 full minutes with the Jiffy blade submerged in the mix and held at an angle. You will observe the mix gradually loses its grainy look and develops a creamy appearance. Do not take shortcuts on this important step.

It is critical to mix each bag exactly the same way and with the same amount of Additive to ensure consistent coloring bag to bag.

Application of the SunCanvas Flooring System

For Primer (interior or exterior), we recommend the SunEpoxy 400. 210 Concentrative Additive diluted 2:1 with water may be used in exterior applications. When priming with SunEpoxy, be sure to apply the first coat of SunCanvas into wet/tacky epoxy primer. If the epoxy primer dries before installing the first coat of SunCanvas, delamination will likely occur.

Apply SunCanvas immediately after mixing. Working time is about 30 minutes with material at 70°F. Keep material stirred with the trowel to ensure there is not settling of aggregate. Do not attempt to re-temper the material once it is set. Trowel or squeegee the first coat for best results. Be sure to work the material into porous concrete surfaces. Cure time for the first coat is ~4 hours at 70F (may be longer based on cure of epoxy if used). Use a trowel to knock off any high spots or irregularities. If a smooth burnished or polished look is ultimately desired, thoroughly sand with a medium grit (80-120) paper on your buffer.

Follow the above steps when applying the second coat. The second coat is designed to provide a uniform, slip-resistant, decorative finish where desired. A variety of functional or decorative texture finishes may be applied, including, but not limit to smooth, broom, troweled, or float finish.

If an ultra smooth polished finish is desired, two or more coats of SunCanvas Fine should be applied once the two coats of SunCanvas have cured—typically overnight. After sanding the second SunCanvas coat, clean the surface with a damp sponge and clean rag. Then mix and apply the first of two coats of SunCanvas Fine. This is a much thinner coating that may be trowel applied to obtain that trowel mottling effect. Once visibly dried (30-90 minutes), lightly sand (180-220 grit). Clean the surface with a damp sponge and clean rag. Mix and apply the second coat of SunCanvas Fine in the same manner. Lightly sand once dry with 180-220 grit.

After the final coat has been applied, allow to cure 24 hours before any staining or sealing.

Staining

After allowing the final layer of applied SunCanvas to dry overnight, lightly sand to open up the surface with a fine grit (180-200). As the SunCanvas Flooring System cures over the next several days, it gets much harder and much more resistant to penetrate staining. Stain within the first two days for best results. Because the layers are so polymer rich (plastic), the installers may have to mechanically agitate the stain into the surface with a brush or sponge. SunAcid, SunH2O, and SunDye Acetone-based Dyes will all provide a unique look with varying degrees of effort.

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Recommended Sealer(s):

For interior applications, we recommend two coats of EcoClear as the topcoat sealer. Optionally priming with SunEpoxy 54 or 400 first will add an additional layer of protection and depth to the color. Excellent results are also seen with Sundek Finish Coat Clear (1st coat diluted 40%, then 2nd coat undiluted).

If applying a non-breathable sealer, let the SunCanvas System cure for at least 48 hours.

For higher traffic applications or those subject to more abuse (lobby, breakroom, dining, etc.) we recommend SunOne as the topcoat sealer. But note that SunOne is not breathable; therefore, ensure there are no moisture issues and your SunCanvas has cured for at least three full days (at 70°F or higher) or sealer issues may result. Always use caution when applying a solvent-based product indoors.

For exterior applications, we recommend two thinly applied coats of SunSeal A25 or A25 Premium or SunGuard 25.

For exterior high traffic applications and optimum sealer protection, we recommend priming first with SunEpoxy 54 or 400. Then apply two thin coats of HT Clear (solvent-based urethane).

It takes about 3-7 days for the SunCanvas to reach full strength. Do not place furniture on SunCanvas for at least 3 full days.

NEVER wear spike shoes on a SunCanvas floor system.

Storage Store in a dry area between 50°F and 85°F. Avoid direct sunlight, extreme heat (>90°F) and freezing.

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. SUNDEK 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.

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