SUNDEK®

YOU STAND ON IT.
WE STAND BEHIND IT.





SYSTEM BOOKLET

SUNPLAY

ADVANCED COATINGS

THE SAFER,
SOFTER, SMARTER
SURFACE SYSTEM


SUNDEK®
YOU STAND ON IT.
WE STAND BEHIND IT.

WELCOME TO OUR SUNPLAY SYSTEM

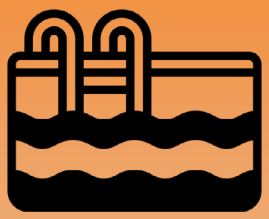


At Sundek, we pride ourselves on delivering innovative solutions that combine aesthetics with durability. **The SunPlay System** is a resilient, multi-layer deck coating system engineered for soft, safe, slip-resistant surfaces around pools, splash pads, and play areas. Designed for comfort and performance, SunPlay transforms concrete into vibrant, resilient surfaces that stand the test of time.



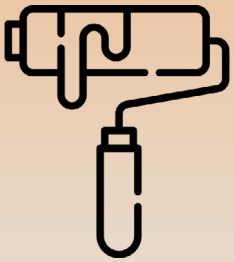
SLIP-RESISTANT COMFORT

SunPlay's thermoplastic granules offer a cushioned feel while providing secure traction for wet, barefoot-friendly areas.



POOL DECK PERFORMANCE

Tested against chlorine, UV, and harsh chemicals, SunPlay is made to thrive in demanding aquatic environments.



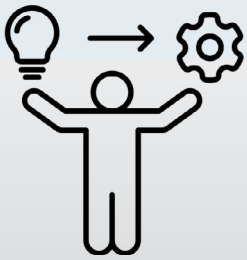
VIBRANT DESIGN FLEXIBILITY

Over 24 standard color blends—and limitless custom combinations—ensure tailored designs that match any theme or vision.



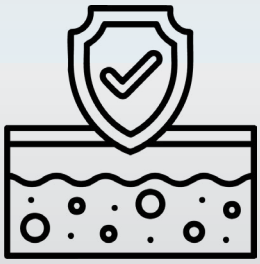
DURABILITY WITH EASE

SunPlay withstands heavy traffic, weather fluctuations, and direct sun exposure. Built for longevity with easy-to-follow maintenance routines.



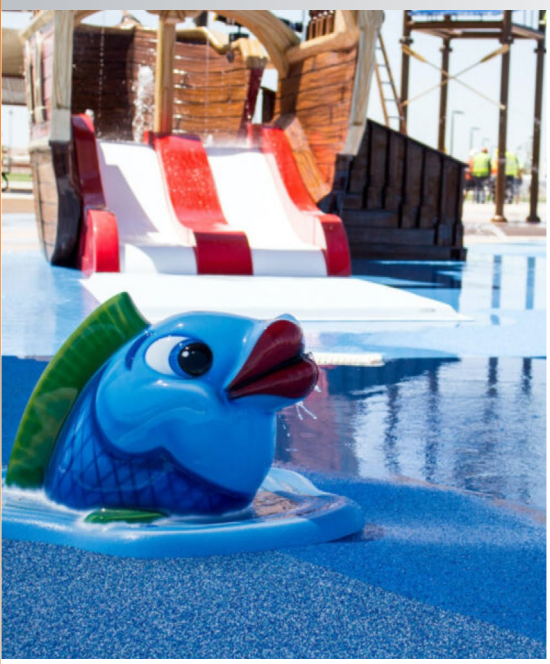
EASE OF INSTALLATION

SunPlay can be applied over your existing pool surface, saving the time & money spent removing old plaster or pebble! Less mess & less noise! Minimal tools needed for installation!



CHLORINE STABLE

SunPlay surfaces have been lab tested and approved as chlorine stable. SunPlay materials have been used in demanding commercial and public splash pad applications for years.

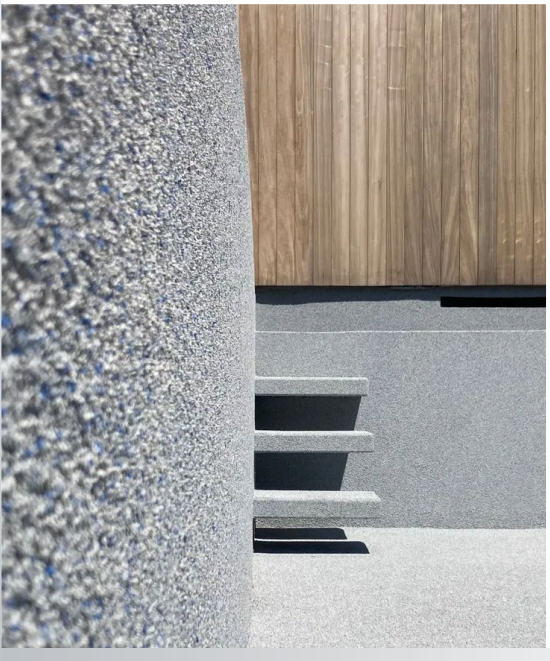




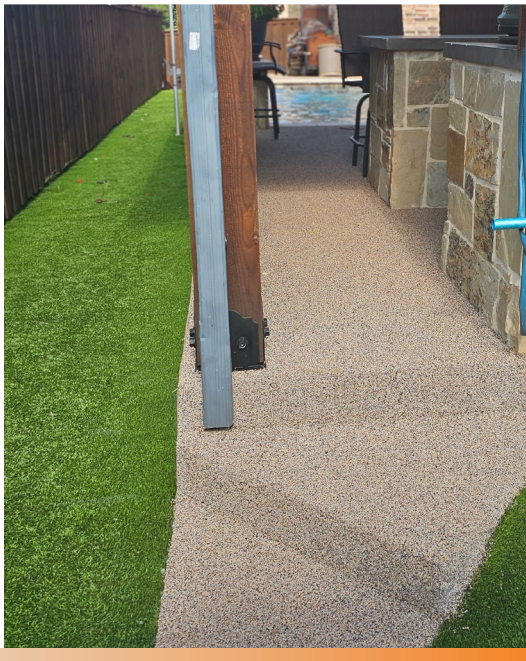



BEFORE


AFTER







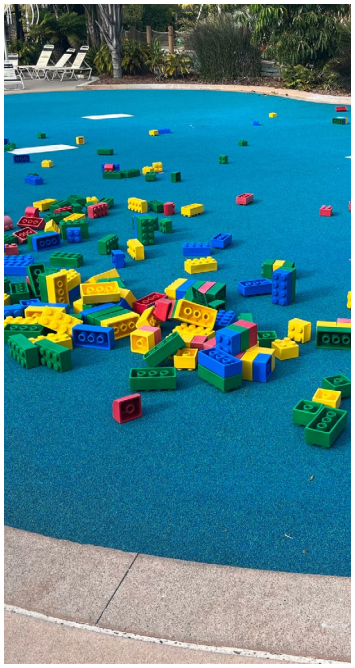
WATER *PARKS* AQUATIC *AREAS* RECREATIONAL *ZONES* WATERFRONT *COMMUNITIES* RENOVATION *PROJECTS* APPLICATIONS

From pool decks to splash pads, the SunPlay System is built for environments where comfort, safety, and resilience are non-negotiable. Its dual-layer system of polymers and TPV granules provides unmatched slip resistance and a cushioned feel—ideal for barefoot traffic in wet areas. Made with materials proven in high-traffic commercial spaces, SunPlay resists abrasion, chemical leaching, fungal growth, fire, and ozone exposure. Whether it's for a resort, playground, or residential pool, SunPlay delivers a surface that's safer, softer, and smarter.



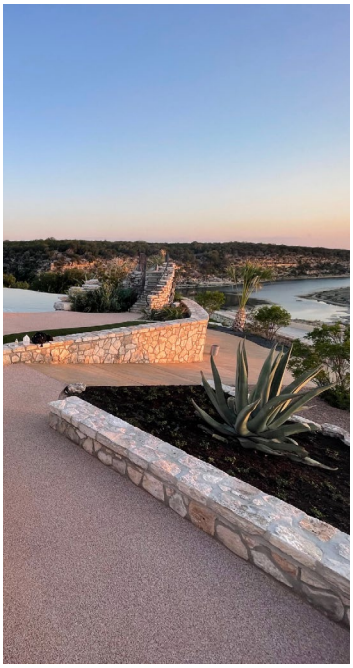
POOL DECKS & SPLASH PADS

Designed for direct exposure to water, heat, and foot traffic, SunPlay delivers soft comfort and non-slip assurance where it matters most.



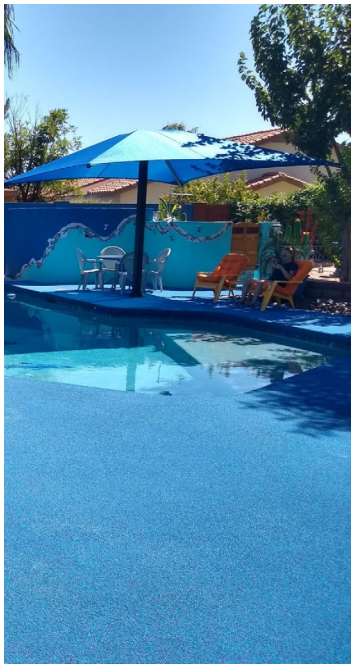
RECREATIONAL ZONES

Whether it's an aquatic playground or a kid-friendly patio, SunPlay's impact-dampening finish and bright colors make it a go-to for fun and safety.



WATERFRONT COMMUNITIES

From beautiful resorts to private residential developments, SunPlay provides a low maintenance solution that performs under both aesthetics and functional needs.



RENOVATION & REMODEL

SunPlay is ideal for revitalizing tired, damaged, or outdated concrete around pools or patios—bringing new life with modern comfort.

SUNPLAY SYSTEM TECHNICAL SPECIFICATIONS

COMPOSITION

Multi-layer system consisting of:

- One-component polyurethane primer
- Two-part aliphatic polyurethane polymer base
- Thermoplastic TPV granules (0.5–1.5mm)
- Acrylic clear top coat sealer

COLOR OPTIONS

12 beautiful blends to choose from!





Engineered with performance and longevity in mind, the SunPlay system is backed by rigorous testing and top-tier materials. This section outlines the multilayer composition, physical performance data, and system resilience that make SunPlay the trusted choice for aquatic concrete surfaces.

THICKNESS & BOND STRENGTH

Total build-up of ~3/16". Superior adhesion to properly prepared concrete, plaster, epoxy, and other surfaces.

TESTING & CERTIFICATIONS

- Tear Strength & Elongation: >400% stretch
- Shore A Hardness: 65°A
- UV & Chlorine Resistance
- Fire, Ozone, and Fungal Resistance
- Non-toxic; No chemical leaching



SURFACE PREPARATION

Ensuring a clean, dry, and well-profiled surface is essential to achieving strong adhesion and long-term system integrity. Concrete must be fully cured for at least 28 days before application begins. The surface must be bone dry—not just surface dry—and free of contaminants. A minimum CSP profile of 2 to 3 is required for proper adhesion. For smooth, previously coated, or unknown substrates, the use of SunPlay Primer is highly recommended.

APPLICATION STEPS

SunPlay is designed with straightforward application steps that create a consistently durable and safe surface. Follow the recommended sequence to achieve optimal performance and finish quality. Begin by applying the SunPlay Primer at approximately 400 square feet per gallon. Once dry, apply a first coat of polymer evenly across the prepared substrate. The second coat should include a full broadcast of TPV granules to refusal. For enhanced depth and traction, repeat the process with a third coat of polymer and another granule broadcast. Finish the installation with two perpendicular passes of a clear acrylic sealer to lock in the surface and provide long-lasting protection.

TOOLS REQUIRED

Having the right tools helps ensure an efficient and even installation. This includes notched squeegees or 3/4" nap rollers for even coating, a paddle mixer or mortar mixer for consistent blending, spike shoes for walking over wet surfaces, and vacuums, brooms, and pump sprayers for cleaning and sealing. These tools streamline the process and help deliver a professional finish.

CURE TIME

Curing times will vary depending on temperature and humidity, but proper scheduling ensures the system sets fully before exposure to traffic or water. Generally, the surface is walkable within 12 to 24 hours after the final coat is applied. For best results, allow at least 48 hours before exposing the surface to water or resuming pool activity.

INSTALLATION GUIDELINES



MINERAL BEACH



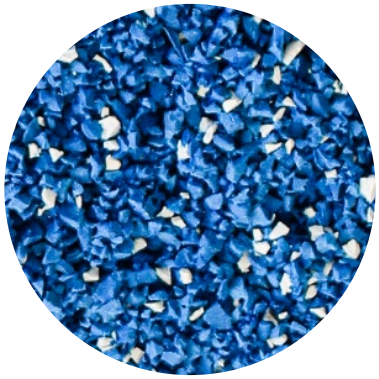
EMERALD WATERS



TEXAS DUNES



SALTY SEA



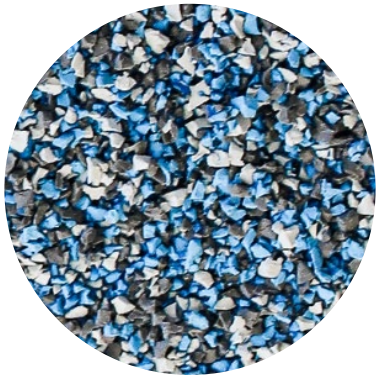
ATLANTIC MIST



DESERT SANDS



GRANITE GRAY



GULF BREEZE



MOJAVE DESERT



ROCKPORT BEACH



PACIFIC SURF



PINE DUNES

DESIGN CUSTOMIZATION



COLOR BLENDS

Twelve beautiful color blends are available. Mix and match to create playful patterns or subtle elegance.



GRANULE BROADCAST

Two-layer granule broadcast ensures both aesthetics and functional traction. Granules are reusable and recyclable.

PATTERN CREATION

Tape, stencil, or hand-broadcast designs to add visual depth or branding into the surface.

















SUNPLAY SYSTEM MAINTENANCE & CARE

ROUTINE CLEANING

While your SunPlay surface is durable and dependable, keeping any decking system in peak condition requires routine cleaning. Establish a regular cleaning schedule to remove accumulated dirt, leaves, and potted plant residue. Use Simple Green Pro Strength or a similar mild detergent with a stiff-bristle brush to scrub the surface and rinse thoroughly.

PERIODIC SEALING

Annual re-sealing is recommended to maintain stain resistance and color vibrancy. Be sure to clean and dry the surface completely before applying the new topcoat.





SunPlay is built to last, but like any high-performance system, it benefits from simple routine care. **Regular cleaning, periodic sealing, and prompt repairs ensure the longevity and aesthetic appeal of the system.** Following these guidelines will help preserve the surface's durability and enhance its performance over time.



GRANULE RELEASE & REPAIRS

Minor release of excess granules is normal during the first few weeks following installation. These lightly bonded granules do not impact performance and can be removed with stiff brooms or household carpet vacuums. If small surface repairs are needed, they can typically be patched and resealed with ease. With basic upkeep and periodic sealer reapplication, your surfaces will stay beautiful, safe, and vibrant for years to come.

AVOID MOISTURE TRAPS

Avoid placing potted plants directly on the surface—use pot deck protectors and clean underneath them regularly. Do not leave mats or rugs on the surface for extended periods, particularly during rainy seasons, to prevent mildew or discoloration.





TECHNICAL DATA SHEET



SUNPLAY

PRIMER

ONE-COMPONENT, SOLVENT BASED POLYURETHANE PRIMER

SunPlay Primer is a one-component, solvent-based polyurethane primer designed for priming concrete, existing polyurethane, and wooden surfaces prior to the application of polyurethane coatings.

SURFACE PREPARATION

The surface must be clean, dry, and free of oil, grease, dirt, or any other foreign material prior to priming. Only apply to dry substrates with no active moisture vapor transmission, as moisture can affect adhesion and performance.

MIXING

SunPlay Primer is a one-component, ready-to-use product and does not require mixing or dilution. Do not add water, solvents, or other additives. Simply stir gently if any settling has occurred during storage, then apply directly from the container. Proper handling ensures consistent performance and adhesion.

APPLICATION

The product is ready to use and should not be diluted. Apply in thin, even layers using an airless sprayer or roller. Do not over-apply. Once a uniform film has formed, the primed surface is ready for the next coat and should be recoated within 24 hours.

TECHNICAL DATA

Density	23°C (73°F)	1.00 to 1.07 g/cm³
Run Out Time	23°C (73°F)	35-50 seconds
Pot Life	23°C (73°F)	2-4 Hours
VOC		97 g/L*

Based On Standard Formula Calculations. Above Figures are guide values and should not be used as a base for specifications.

SAFETY

Sundeck Products USA, Inc. recommends that all users wear appropriate personal protective equipment, including gloves, eye protection, and suitable clothing, when handling this product. Avoid contact with skin, eyes, and clothing, and ensure proper ventilation during application. It is the responsibility of the contractor and end users to follow all applicable safety standards. Sundeck Products USA, Inc. will not be held liable for injuries or damages resulting from improper use or failure to observe recommended safety practices.

Refer to the product Safety Data Sheet (SDS).

DISCLOSURE & PRODUCT WARRANTY

Dealers must carefully review site conditions, especially the substrate condition, and its moisture content. These and other installation variables affect product yields and overlay bonding quality. Consideration of these variables is the responsibility of the installer.

Sundeck Products USA, Inc. standard warranty applies.

TECHNICAL DATA

COLOR
Yellow to Amber

POT LIFE
- At 73°F (23°C): 2-4 Hours

APPLICATION TEMPERATURE
- Minimum: 50°F (10°C)
- Maximum: 140°C (60°C)

COVERAGE RATE
- 1.67-2.49 lb/ft² (0.100–0.150 kg/m²)

PACKAGING
- 5 US Gal (16.18 kg)

STORAGE INSTRUCTIONS
- Storage temperature should be between 5°C (40°F) and 66°C (150°F)
- Do not expose containers to open flame, excessive heat, or direct sunlight.
- Shelf life of 1 year in sealed container

VOC
- VOC 97 G/L*

RESTRICTIONS
- Meets OTC, CARB, LADCO, & SCAQMD VOC restrictions

*For complete information on all Sundek products—including product information catalogs, product brochures, color charts, technical specifications, sales aids and more—contact Sundek.

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TECHNICAL DATA SHEET



SUNPLAY

GRANULES

DURABLE, UV-STABLE GRANULES FOR SAFE, DECORATIVE SURFACING

SunPlay Granules are durable, UV-stable thermoplastic granules designed for safety surfacing on pool decks, sports courts, playgrounds, and turf infill. Made from high-quality virgin polymer, they are non-toxic, weather-resistant, and maintain flexibility in all climates. SunPlay Granules offer consistent color and excellent compatibility with polyurethane binders for long-lasting indoor and outdoor applications.

TECHNICAL DATA

APPLICATION TEMPERATURE
- Minimum: 10°C (50°F)
- Maximum: 60°C (140°F)

COVERAGE RATE
- Approximately 0.6lbs per square foot per broadcast

PACKAGING
- 55 lb bags

STORAGE INSTRUCTIONS
- Store in a dry, covered area.
- Avoid moisture and contamination.

SOLIDS BY WEIGHT
- N/A

RESTRICTIONS
- Meets OTC, CARB, LADCO, & SCAQMD VOC restrictions

SURFACE PREPARATION

Before applying SunPlay Granules, ensure the surface is clean, dry, and free of contaminants. Substrates must be structurally sound, with no loose material or sharp protrusions. Smooth or coated surfaces should be roughened or primed with SunPlay Primer. Recommended prep methods include blasting, etching, grinding, or pressure washing (min. 3500 psi). For tiles over 2"×2", grind the surface and apply primer. Always test adhesion before full installation.

MIXING

SunPlay Granules should be thoroughly blended using a tripod-style mortar mixer when not pre-mixed at the shop. Mix in correct quantities based on the desired blend and place into buckets or bags for easy access during installation. One 50 lb bag of granules yields approximately two full 5-gallon buckets. For best results, use a mixer capable of handling a full bag at once. Avoid using mixers that are too low to the ground or insufficient in blending power, as improper mixing can lead to inconsistent texture or color distribution.

APPLICATION

SunPlay Granules should be broadcast immediately onto wet SunPlay Polymer using a roller or notched squeegee to apply the base coat. Apply granules to full refusal, focusing on even coverage and avoiding shiny or missed areas. Do not allow the polymer to dry before broadcasting, as this can cause poor adhesion and bald spots. Once cured, remove excess granules by brushing and vacuuming. A second broadcast may be applied for added texture and durability.

SAFETY

Sundeck Products USA, Inc. recommends that all users wear appropriate personal protective equipment, including gloves, eye protection, and suitable clothing, when handling this product. Avoid contact with skin, eyes, and clothing, and ensure proper ventilation during application. It is the responsibility of the contractor and end users to follow all applicable safety standards. Sundeck Products USA, Inc. will not be held liable for injuries or damages resulting from improper use or failure to observe recommended safety practices.

Refer to the product Safety Data Sheet (SDS).

DISCLOSURE & PRODUCT WARRANTY

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TECHNICAL DATA SHEET

SUNDEK®

SUNPLAY POLYMER

TWO COMPONENT, SOLVENT FREE ELASTOMERIC BASE MEMBRANE



SunPlay Polymer is a two component, very rapid setting, rapid curing, solvent free, flexible, high performance, and high solids polyurethane elastomeric coating that can be applied to suitably prepared interior or exterior concrete, plywood and metal surfaces. Due to very rapid gel time, SunPlay Polymer is suitable for applications in temperatures as low as 20°F (-6°C). It may be applied in a single or multiple applications. SunPlay Polymer is also relatively insensitive to moisture and temperature allowing applications in varied temperatures and humidity.To be applied over the SunPlay Primer.

SURFACE PREPARATION

Refer to Surface Preparation on SunPlay Primer TDS.

TECHNICAL DATA

Dry Film Thickness per Coat	15 ± 1 mils 381 ± 25 microns
Mixing Ratio	4A : 1B
Hardness, ASTM D2240	80 ± 3 Shore A
Tear Resistance, Die C, ASTM D624	300 ± 25 pli 52.5 ± 4.4 kN/m
Tensile Strength, ASTM D412	2500 ± 100 psi 17.2 ± 0.7 MPa
Ultimate Elongation, ASTM D412	800 ± 100%
Total Solids by Weight, ASTM D2369	94 ± 2%
Total Solids by Volume, ASTM D2697	95 ± 2%
Viscosity at 75°F (24°C) Side-A Side-B	 1500-2500 50-150 cps
Volatile Organic Compounds, ASTM D2369-81	<0.04 lb/gal <5 gm/liters

MIXING

NOTE: SunPlay Polymer may not be diluted under any circumstances. Proportions are premeasured.

Using a mechanical mixer, first pre-mix SunPlay Polymer separately Side-A and Side-B base material thoroughly to attain a uniform color, making sure to scrape the solids from the bottom and sides of the pail.

Pour SunPlay Polymer Side-B into Side-A slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined Side-A and Side-B mixture thoroughly until uniform color is attained. Do not mix in an up and down motion.

TECHNICAL DATA

APPLICATION TEMPERATURE
- 20°F (-6°C) and above.

COVERAGE RATE
- 1 gal/100 sqft
- 0.41 l/sqm

PACKAGING
- 5-Gallon Kit:
  One 5 gallon pail, net fill 4 gallons (15.12 liters) of Side-A and One 1 gallon (3.78 liters) can of Part-B

STORAGE INSTRUCTIONS
- SunPlay Polymer has a shelf life of 1 year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

MIXING RATION
- 4A : 1B

CLEAN UP
- Equipment should be cleaned with an environmentally safe, polyurethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

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TECHNICAL DATA SHEET

SUNDEK®

SUNPLAY POLYMER

TWO COMPONENT, SOLVENT FREE ELASTOMERIC BASE MEMBRANE



TECHNICAL DATA

APPLICATION TEMPERATURE
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MIXING RATION
- 4A : 1B

CLEAN UP
- Equipment should be cleaned with an environmentally safe, polyurethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

APPLICATION

SunPlay Polymer should be applied at a temperature of 20°F (-6°C) and above.

For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles. Requires a continuous coating application to minimize lines and/or streaking.

It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.84-1.19 mm), 6.5+ Mohs minimum hardness at a rate of 20 lbs/100 sqft (1 kg/sqm) or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. Broadcast sand until refusal and when the coating is dry, remove extra loose sand, preferably by vacuum.

An aggregate of 14-30 mesh (0.56-1.41 mm) rubber granules may be broadcast into the membrane at a rate of 10 lbs/100 sqft (0.5 kg/sqm) or to refusal. The amount of rubber used will vary. When coating starts to gel in approximately 20 to 30 minutes, broadcast 14-30 mesh (0.56-1.41 mm) rubber granules until refusal. The quantity amount of rubber granules will vary (normal usage is 20 lbs/100 sqft for 1 kg/sqm). When the coated surface is stiff enough to support the weight of installer without damaging the coating or when the coating is dry (approximately 4-6 hours), remove all loose aggregate, preferably by vacuum.

CURING

At 75°F (24°C) and 50% relative humidity, allow each coat to cure for 2-4 hours before proceeding subsequent coats. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with SunPlay Primer before proceeding.

CLEAN UP

Equipment should be cleaned with an environmentally safe, polyurethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

LIMITATIONS

This product is not UV Stable. The following conditions must not be coated with SunPlay deck coatings or systems: split slabs, buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, and non-structural lightweight concrete. On grade slabs may receive SunPlay system coatings provided a moisture-vapor transmission test is first performed. Please contact Sundek technical department with the results. With regard to coating asphalt surfaces, please contact Sundek technical department. Surfaces must be dry, clean and free of foreign matter. Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications. Surface may be slippery when wet. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance. Warning: This product contains Isocyanates and Curative Material.

SAFETY

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Refer to the product Safety Data Sheet (SDS).

DISCLOSURE & PRODUCT WARRANTY

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TECHNICAL DATA SHEET

SUNPLAY

FINISH COAT CLEAR SEALER

SINGLE COMPONENT WATER-BASED ACYLIC CLEAR SEALER



Sundek Finish Coat Clear Sealer is a non-yellowing, low glass sealer, designed to provide additional wear protection for SUNDEK's decorative coatings and overlays. Finish Coat Clear is UV resistant and helps to protect color from fading over time. Finish Coat's water-based formula increases abrasion resistance and is environmentally safe.

TECHNICAL DATA

APPLICATION TEMPERATURE
- Between 50°F - 90°F (10°C - 32°C)

COVERAGE RATE
- Unsealed 200-300 FT^2 (25-30 M^2) per gallon
- Sealed 300-400 FT^2 (30-40 M^2) per gallon

DRY TIME
- Re-coat 1-2 hours
- Foot traffic 4-6 hours
- Vehicle traffic 48 hours

PACKAGING
- 5 gallons

STORAGE INSTRUCTIONS
- Store in a dry area between 50°F and 90°F (10°C - 32°C)
- Avoid direct sunlight, extreme heat (>90°F) and freezing

SOLIDS BY WEIGHT
- 30% VOC < 100 G/L

RESTRICTIONS
- Meets OTC, CARB, & LADCO, VOC restrictions

SURFACE PREPARATION

This product is designed as a top coat for Sundek's cementitious overlays. Refer to the appropriate System Technical guidelines for installation instructions. If applying to concrete: Concrete should be cured a minimum of 28 days and be clean, structurally sound, and free of wax, oil, dust, loose paint or curing compounds. Prime with SunEpoxy 54 or SunEpoxy 400.

MIXING

Prior to use, mix the material for 1 minute to make sure the solids are well blended after storage or shipping. For a first coat application or in high temperatures the material may be dilluted with water up to 20%.

APPLICATION

Sundek Finish Coat Clear can be applied by airless sprayer, HVLP sprayer, or a high quality roller. It should be applied in 2 coats, opposite directions, at about 200-300 ft^2 (20-30M^2) per gallon. Allow product to dry (1-2 hours) between coats. Always use the material full strength for the 2nd. coat. Re-coating existing: You should always run a sanding screen over existing sealed surfaces or prime with SunEpoxy 54 (fog). For already sealed surfaces the coverage rate should be 300-400 ft^2 (30-40M^2) per gallon.

SAFETY

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DISCLOSURE & PRODUCT WARRANTY

Dealers must carefully review site conditions, especially the substrate condition, and its moisture content. These and other installation variables affect product yields and overlay bonding quality. Consideration of these variables is the responsibility of the installer.

Sundeck Products USA, Inc. standard warranty applies.

*For complete information on all Sundek products—including product information catalogs, product brochures, color charts, technical specifications, sales aids and more—contact Sundek.

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TECHNICAL DATA SHEET

SUNPLAY

DECK SURFACING INSTALL INSTRUCTIONS

PART 1: GENERAL

1. DESCRIPTION

- The SunPlay Pool Surfacing System is a super bonding, flexible synthetic resin and thermoplastic solid membrane coating system which forms a cost effective, durable, anti-skid, chlorine, UV and chemical resistant surface over properly prepared substrates.

2. DELIVERY, STORAGE, AND HANDLING

- Keep covered and unopened until ready for use.
- The polymer has a one year shelf life when unopened.
- Avoid storing in the direct sun until ready to use. This will affect the speed it cures.

3. FIELD CONDITIONS

- Do not apply if precipitation is expected within a forty-eight (48) hour period before or twenty four (24) hours after install.
- Windy days can cause leaves and other debris to fall onto the deck and stick to the surface after the first application.
- Pot life is affected by surface and ambient temperature and humidity.

PART 2: PRODUCTS

1. DESCRIPTION

- One Component Primer/Bond Coat.
- Fluid-Applied Flexible Synthetic Polyurethane (Aliphatic)
- Thermoplastic Colored Granules .5 to 1.5 mm (TPV)
- Clear Top Coat (Acrylic).

2. ACCESSORIES

- See Equipment List at the end.

PART 3: EXECUTION

SUNPLAY WILL STICK TO ALMOST ANYTHING IT GOES ON. COVER WHAT YOU WANT PROTECTED! SunPlay CAN WICK UNDER TAPE ON NON-SOLID SURFACES.

1. EXAMINATION

- Examine substrates and adjoining construction, and conditions under which work is to be installed. Do not proceed with work until unsatisfactory conditions are corrected.
- Verify the following surface conditions before application of SunPlay Surfacing System:

  1) New concrete has cured for a minimum of 28 days and is free of moisture, not just surface moisture. If unsure, test with 12"x12" plastic taped down in direct sun. Check after a few hours for moisture under the plastic. Any moisture will cause SunPlay to not adhere and could create a vapor blister.

  2) The surface has a minimum roughness of CPS2, but preferably CPS3. (See website ICRI.org) Similar to a medium to rough broom finish.

  3) Surfaces are free of voids, spalled areas, loose aggregate and sharp protrusions.

  4) Surfaces are clean with no dust or chalking.
- The surface is one that SunPlay will adhere to. It is recommended to test a 6"x6" area before continuing.

2. SITE STAGING

- Clean and blow off the area around the deck.
- Cover all work areas with plastic, once SunPlay dries, it will not come off most surfaces.
- Designate two areas, one for mixing the polymer and one for mixing the granules (If not premixed at your shop). The polymer can be mixed on the deck surface where it will be applied to help avoid spills and stains.

3. PREPARATION

- Tape skimmer covers and other items.
- Substrates must be structurally sound and free from grease, oil, dirt, dust, sealers, water repellents and other foreign materials which may interfere with proper bonding. If unsure, do a test area before continuing.
- Smooth troweled concrete must be roughened to ensure a good bond or use SunPlay Primer as a bond coat. Go over the primer with the polymer once it skins over and yet still tacky, before 12 hours. Do not let the primer bake in the sun. It will get hard and tougher to adhere to. It is okay to go over while it is still quite tacky.
- If patching of the concrete surface is necessary, use concrete patch filler and flexible joint fillers (not silicone based products). Allow to dry and off gas.
- Surface prep may be accomplished by either shot blasting, sand blasting, mechanical sanding, acid etching or power washing with min 3500 psi.

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PART 3: EXECUTION

- To go over tile, grind off the top 1/16" from the face profile to allow a surface for SunPlay to adhere to. SunPlay primer is recommended for going over larger than 2"x2" tile.
- Adheres to properly prepared concrete, plaster, rock/pebble surfaces, brick, and most epoxy surfaces. Use SunPlay primer for unknown surface coatings. Test to see that SunPlay adheres before proceeding.
- Tape off items that need to be protected and cannot be removed. Clean off any SunPlay immediately if it gets on areas accidentally.
- Additional Preparations:

  1) All adjoining surfaces, drains, curbs and copings, to be 3/16" inch higher for SunPlay to terminate flush. If necessary, grind 1/8" deep by 1-1/2" inches wide smooth bevel.

  2) SunPlay will self level against walls at applied thickness.
- Coping - Tape bubble wrap along waterline tile to capture granules from going into the pool. Bubble wrap comes in different widths and bubble thicknesses, most will work, we recommend at least 18" wide. Hold mud pan below coping when broadcasting to catch granules and reuse.

4. INSTALLATION - DECKS

- If using the SunPlay Primer for smooth, previously coated surfaces, unknown coatings, etc, apply in a complete coating as thin as possible. Target 400 sf/gal.
- Apply polymer between 50 and 105 degrees and where the surface and ambient temp will be above 50 degrees for 8 hours after applying the polymer to cure properly.
- The polymer is a 2 part mixture that has an A and B component. Shake part B thoroughly then pour completely into part A.
- The pot life of one 5-gallon bucket depending on temperature and humidity is 25-45 minutes. Keeping the polymer cool and out of the sun before mixing will extend the pot life. When splitting the kits, stir Part A thoroughly before splitting as the contents could have settled over time. The ratio of A:B is 4:1.
- Mix with a paddle mixer until fully combined. Over mixing can reduce pot life. Be sure to get all the product off the bottom and sides.
- The polymer needs to be recoated within 24 hours and should be tacky to the touch. For best results apply the second layer, later the same day, once you are able to walk on the surface with vinyl tape on the bottom of your shoes. When the second coat will not be applied within 24 hours, do to rain or other issues, use SunPlay Primer to ensure the next polymer layer adheres if it feels non-tacky.
- Mix the granules using a tripod type mortar mixer in correct quantities based on the chosen blend and place in buckets or back in the bags around the deck until needed. The mixer should be able to accomodate 1 bag or two 5 gallon buckets. (One bag of granules equals two full 5 gallon buckets) Other mixers, like some concrete mixers, may be slow and not mix well and be too close to the ground to pour into buckets.
- Pool Coping: Tape bubble wrap along waterline tile, floating bubble side down. 18" to 24" wide works well. For broadcast coats, apply polymer along the coping and approx 6-9" of the deck. This will keep granules from getting over your wet edge while doing the deck. Stay just ahead of the deck work. Hold a mud pan (used in drywall) along the bottom of the coping when allying the granules. Some granules will get into the pool, do your best when broadcasting the deck to keep it to a minimum.
- **First Layer, Polymer Only:**

  1) Use a brush to get around drains, thresholds, rocks, etc, build up if necessary. For larger than 1/4" buildup, mix poly and granules to form a paste and use a trowel. Allow to cure a few hours.

  2) Liquid is applied with 3/4" nap roller cover or notched speed squeegee (Recommended, from Seymour Midwest or Amazon, 25-30 wft) in one coat at approx 1/8" depending on surface conditions for the entire surface. Dip the roller into the bucket if rolling and use a new roller cover as needed. Back roll to get an even coat and eliminate bubbles. If some bubbles appear, a blower on idle will pop them while the product is still curing. Target 240 sf/kit.

  3) Filling voids and joints will use more polymer and is needed on this first coat. Plug the ends of expansion joints so polymer does not run out. Very rough exposed aggregate and uneven surfaces may use as much as 100 sf/kit.
- **Second Layer, 1st Broadcast:**

  1) Once the first layer has set and you can walk on it, approximately 2-4 hours. Use vinyl tape on the bottom of your shoes or use spike shoes to avoid disturbing the surface and sticking to it.

  2) Use a 3/4" roller cover or notched speed squeegee (Recommended) and apply the second coat. Target 240 sf/kit.

  3) Manually broadcast granules onto the wet surface until refusal or until liquid is completely absorbed. Areas where more is needed tend to look like shiny spots. Continue to look for these as some granules get absorbed over time, 15 to 30 minutes. Excess is okay, they will be reused the next day.

  4) **Do not let the polymer dry before applying the**

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SUNPLAY

DECK SURFACING INSTALL INSTRUCTIONS

PART 3: EXECUTION

granules. This will create bald spots. Communicate and work together. This is why the first coat is Gray and the second coat is Neutral.

5) Work as a team so that the people applying the polymer stay just ahead of the people broadcasting. Keep a wet edge of polymer but keep granules away enough to stay off the roller covers which will cause clumping.

- **Third Layer, 2nd Broadcast:**

  1) Dispose of leaves and other debris first. Use plastic dust pans to scoop up the bulk of the granules. Broom and brush and then vacuum all loose granules from the entire deck to be reused on the next broadcast.

  2) Repeat the process as above for this layer for both liquid and granules, this time using 3/4" roller cover or magic trowel. Target 125 sf/kit.

  3) After a dry time of approximately 12+ hours, depending on the temperature and weather, the newly applied SunPlay Surfacing is cured enough to walk on.

- **Fourth Layer, Clear Coat:**

  1) Again use dust pans then brooms and shop vacuums to pick up all loose granules. **Vigorous brushing with stiff brushes and brooms will help to avoid granulation later for your customers.** A new inexpensive home carpet vacuum will also work well to knock off the barely stuck granules and suck them up to be reused. Do not power wash.

  2) Apply using a new pump up sprayer with the tip on fan mode. The Home Depot HDX model using the red tip works well. Go in one direction, then right away do a second coat in a perpendicular direction. NO need to cover your shoes. Back roll if needed for even coverage. Filtering the liquid first will help prevent clogs and dribbles if using a previously opened can. Target use of 150 sf/gallon per coat.

  3) Keep water off for a minimum of 24 hours

- Yields: Liquid, 100 to 240 sf/kit on first coat, depending on the surface. 240 sf/kit on the second coat, 125 sqft on the third coat. Granules, .6 lbs per square foot per broadcast, .3 lbs net usage.
- Finishes thickness of the layers:
  1) 1/32" 2) 3/32" 3)3/16"

5. PROTECTION

- Prohibit traffic on floor finish for 24 hours after installation.
- Wait 2 days after the last broadcast before getting wet. Barricade area to protect flooring until fully cured.

PART 3: KEY REMINDERS

1. **SunPlay will stick to almost anything and may not come off. Cover what you want protected!**
2. **The surface must be "Bone" dry not just surface dry. Any moisture will cause SunPlay to not adhere and could create a vapor blister.**
3. **It is recommended to test a 12"x12" area before continuing to check for vapor and adhesion.**
4. **Inadequate preparation of surfaces will virtually assure inadequate coating performance and adhesion.**
5. **Use SunPlay primer if the surface is smooth, previously coated or you are unsure of adhesion. Coat over between 1-12 hours.**
6. **The polymer only layer needs to be recoated within 24 hours and should be tacky to the touch.**
7. **Do not exceed the coverage guidelines as the coating will end up too thin.**
8. **Do not let the polymer set up before broadcasting, this will create bald spots. Communicate and work together.**
9. **After scooping the granules from broadcasting, use stiff brushes and brooms to knock free the loose granules on the floor, then vacuum them up into bags or buckets. The better this is done the less granulation your customers will have later.**
10. **All decks need periodic cleaning, just like other speciality surfaces to prevent standing water to mildew and leave dark spots.**

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SUNPLAY

DECK SURFACING INSTALL INSTRUCTIONS

PART 4: EQUIPMENT

1. EQUIPMENT NEEDED

- 1 Qty Electric Tripod Type Mixer
- 1 Heavy Duty Drill
- 1 Blower
- 1 Shop Vac
- 2 Extension Pole 3'-6'
- 1 Notched Speed Squeegee
- 1 Magic Trowel
- 1 Paddle Bit
- 2 Spike Shoes Pointed
- 2 Stiff Brush
- 1 Stiff Broom
- 5 Gallon Buckets

2. PRODUCTS CONSUMED

- 4 (Optional) Qty Heavy Duty Roller Frames
- 6 (Optional) Roller Covers 3/4" Lint Free
- 4 Poly Tape 2"
- 1 Plastic 10x25 4 mil
- 2 Bag of Rags 2 Nitrile Gloves (box)
- 10 3" Chip Brushes
- Small Buckets

PART 5: SAFETY

1. GENERAL NOTES

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/eye protection/face protection.

In case of inadequate ventilation wear respiratory protection.

IF ON SKIN: Wash with plenty of water/soap.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

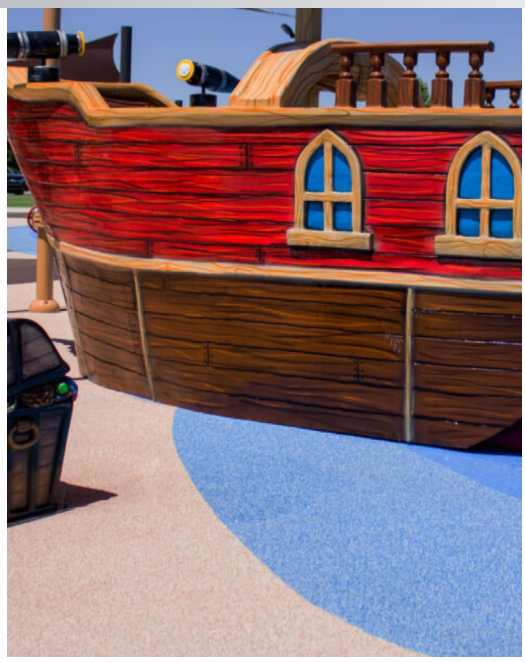
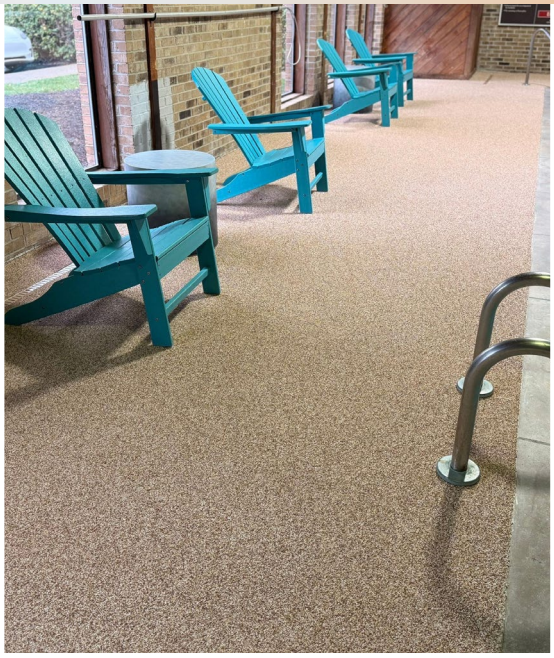
Dispose of contents/container to approved waste disposal.

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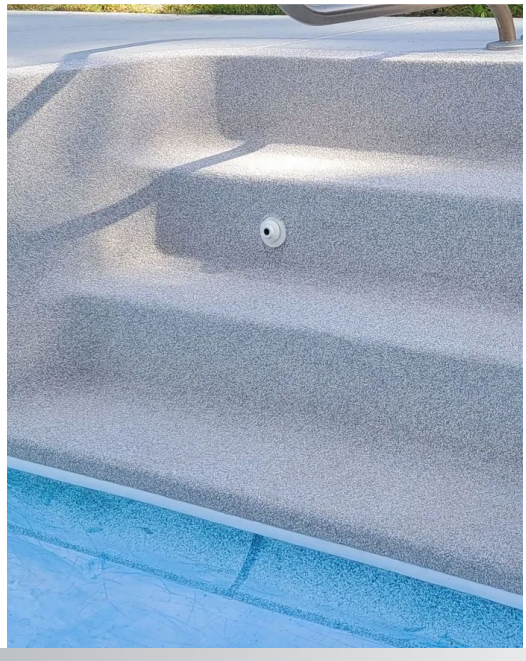
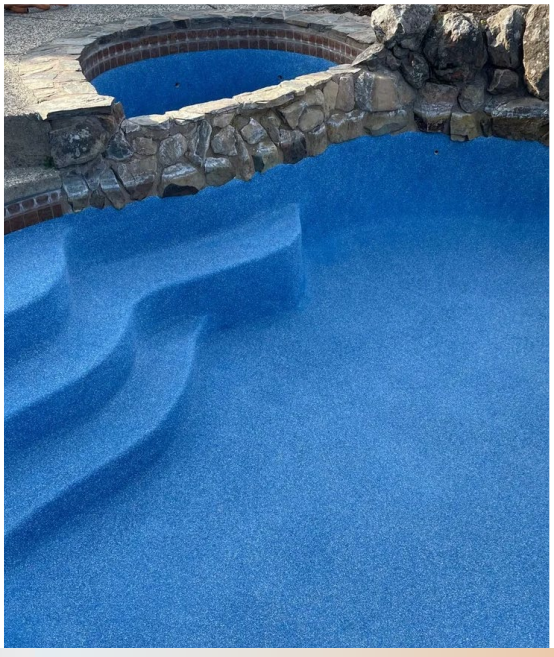
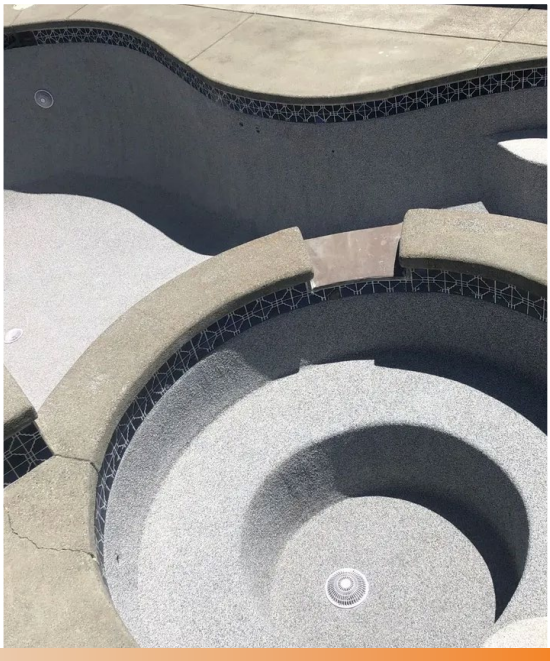
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SUNDEK *FAQ's* SUNPLAY

Choosing the right concrete resurfacing solution can come with many questions. **Here, we address some of the most common inquiries about SunPlay**—its applications, durability, maintenance, and more—to help you make informed decisions and get the best results from your installation.

CAN SUNPLAY BE APPLIED OVER EXISTING COATINGS?

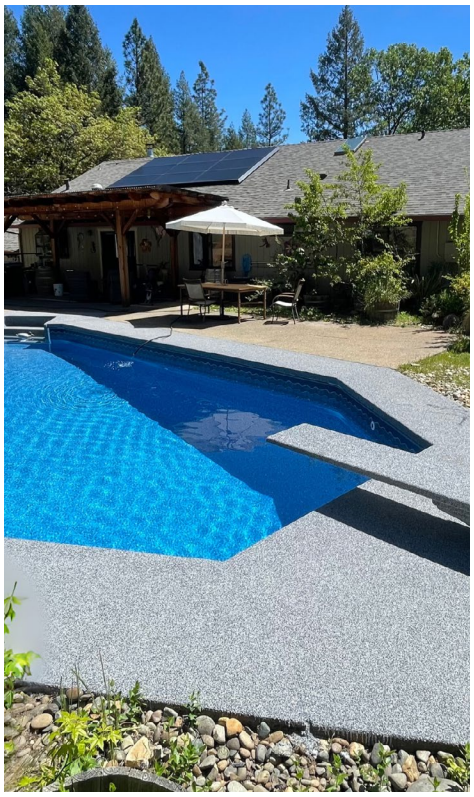
Yes, SunPlay can be installed over properly prepared existing coatings, as long as the surface is sound, dry, and profiled correctly. Use of the SunPlay primer is recommended to enhance adhesion.

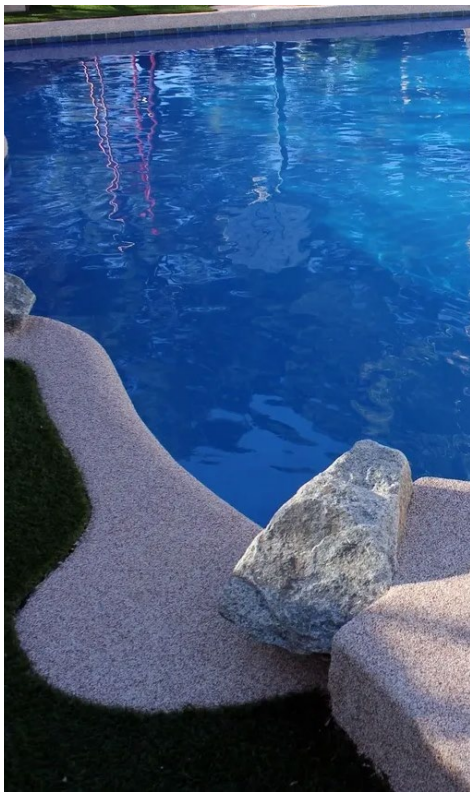
IS SUNPLAY AVAILABLE IN CUSTOM COLORS?

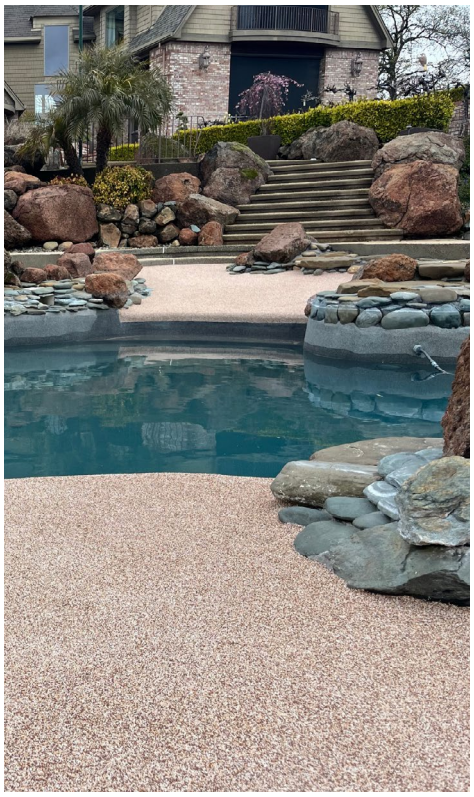
Yes, in addition to our 12 standard blends, custom color options can be discussed.

HOW LONG DOES SUNPLAY NEED TO CURE BEFORE USE?

The system is walkable within 12 to 24 hours after final application and can typically be exposed to water or pool activity after 48 hours.







WHAT KIND OF MAINTENANCE DOES SUNPLAY REQUIRE?

Routine cleaning with mild soap and water and an annual reapplication of the topcoat sealer will keep the system in optimal condition.

IS SUNPLAY SUITABLE FOR USE AROUND POOLS AND SPLASH PADS?

Absolutely. SunPlay is specifically designed for wet environments. Its soft, slip-resistant surface is ideal for barefoot traffic in poolside and aquatic areas.

CAN SUNPLAY BE USED IN EXTREME WEATHER CLIMATES?

Yes, the system has been tested for performance in both hot and cold environments and is resistant to UV, chlorine, and harsh chemicals.

WILL GRANULES BE RELEASED OVER TIME?

Initial release of loose granules is normal and expected within the first few weeks. Proper brushing and vacuuming help minimize this effect.

WHAT SURFACES CAN SUNPLAY ADHERE TO?

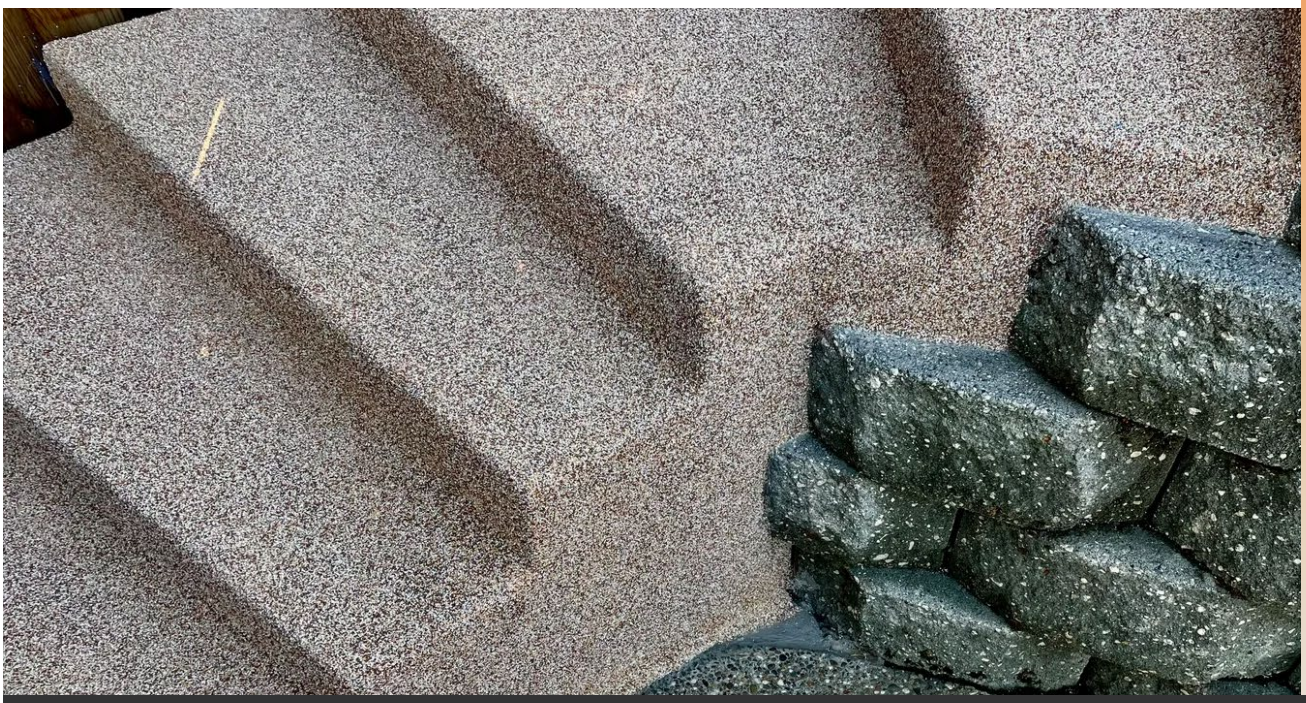
SunPlay adheres well to properly prepared concrete, plaster, rock/ pebble finishes, brick, and many epoxy coatings. Use of primer is advised on smooth or coated surfaces.

IS SUNPLAY ENVIRONMENTALLY FRIENDLY?

Yes. The TPV granules used in SunPlay are non-toxic, UV-stable, and made without heavy metals or harmful plasticizers, contributing to a safer surface and greener installation.


SUNDEK®
YOU STAND ON IT.
WE STAND BEHIND IT.

THE FUTURE IS BRIGHT WITH SUNDEK®



SCAN ME

SUNDEK – INNOVATING CONCRETE SURFACES FOR OVER 50 YEARS

For over 50 years, Sundek has been a leader in innovative concrete resurfacing solutions, transforming ordinary surfaces into extraordinary spaces. Our commitment to quality, durability, and design flexibility has made us a trusted partner for architects, contractors, and property owners nationwide. Whether enhancing commercial, residential, or public environments, Sundek's cutting-edge systems deliver beauty, strength, and long-lasting performance. Backed by expert training and support, we provide the tools and expertise needed to bring any vision to life. Discover the Sundek difference—where innovation meets craftsmanship.

Durability, Beauty, Innovation—The Sundek Way!

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You stand on it. We stand behind it.

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