

SlideRenu®

ColorShield™ UV4

POLYSILOX GELCOAT

PRODUCT DATA SHEET



DESCRIPTION: All SlideRenu® coatings have been uniquely formulated to resurface dull color faded water slide surfaces, aquatic play features and to re-paint water slide towers. ColorShield™ UV4 Polysilox Gelcoat is a high-solids coating that forms a chemical bond to fiberglass primer, existing gel-coat water slide surfaces and all other solvent and water based paints. When cured, ColorShield™ UV4 Polysilox Gelcoat is more durable than the factory applied polyester gelcoat finish. Its long pot life (2-3 hours depending on temperature and humidity) allows the applicator sufficient open time to hand apply or spray the coating. ColorShield™ UV4 Polysilox Gelcoat can cure at temperatures as low as 40°F or 5°C and at high levels of humidity with proper procedures. Dry times under ideal temperature conditions (70°F or 24°C / 40° Relative Humidity) are 2 hours to touch and a final cure of 16 hours. The coating has been formulated to have the highest gloss (+100 DOI/Delta) offered in the aquatics industry today and, in some applications, its WET LOOK SHINE can last up to 10 years!

ColorShield™ UV4 Polysilox Gelcoat has outstanding abrasion resistance to body riders, rafts, inner tubes and mats. The coating may be used on all interior and exterior water slide surfaces (fiberglass, concrete and plastic). It is suitable for water immersion and has excellent resistance to ultra violet (UV) light and chlorinated pool water. ColorShield™ UV4 Polysilox Gelcoat is the only proven coating in the aquatics industry that is CHLORINE RESISTANT and UV STABLE. Other coatings such as marine polyester gelcoats, epoxies, and automotive polyurethanes are not formulated to withstand the chemical effect of chlorinated water. ColorShield™ UV4 Polysilox Gelcoat provides long-term gloss and color retention on all types of water slides, aquatic play features and water slide towers.

CHEMICAL DESCRIPTION: ColorShield™ UV4 is a high solids (95%) low VOC (meets California VOC regulations) inorganic silica/oxygen polymerized hybrid resin system which is chemically inert and “pre-oxidized” making it extremely resistant to chlorinated pool water, ocean salt spray, UV rays and abrasion.

STORAGE: Store in a clean, warm area where the temperature remains between 60-90°F or 15-30°C. Cold products are somewhat viscous and will be difficult to mix and apply. Heating of the individual components to 100°F - 30°C prior to mixing may be required to bring the products to the recommended temperatures. This product has a minimum shelf life of one(1) year when stored at 70°F or 20°C in the original sealed container.

SURFACE PREPARATION: Before applying to any water slide surface, it is critical to remove wax, release agents, sun tan and sun screen lotions, hard water mineral deposits, calcium scale build-up, rust stains, mold, mildew and all other surface contaminants with a pressure washer (3500 PSI HOT WATER recommended) and SlideRenu® SlidePrep™. For tough to remove surface contaminants and scale, use Calcirol®. (Refer to the Product Data Sheet for application instructions for all SlideRenu® products). The interior surface should be sanded with 60 or 80 grit sandpaper

using an orbital or dual-action sander in order to create a good adhesion profile. If the water slide is 15 years or older, the interior ride path must be primed with SlideRenu's® ABC Primer™ prior to applying ColorShield™ UV4 Polysilox Gelcoat. There is no need to sand the exterior surface of chop-sprayed or textured gel-coat; however, it must be completely free of all surface contaminants. Smooth or RTM exterior surfaces must be sanded with 320 grit sandpaper.

After sanding, rinse thoroughly with tap water through pressure washer (3500 PSI hot water recommended). Let surface dry completely. Wipe area to be coated with a clean lint-free cloth and acetone.

IMPORTANT: If the surface is not void of contaminants, sanded, thoroughly rinsed and wiped down with acetone, the coating may not adhere properly. After the surface has been wiped with acetone, apply SlideRenu® ABC Primer™ in accordance with label instructions. **IMPORTANT:** The ABC Primer™ must always be used when resurfacing the interior surface of 20+ year old slides™ or when subsequent repair or re-work applications of the finish coat are required. There is no need to apply the primer to the exterior surface.

The coating should be tack-free in approximately 2 hours at 70°F or 20°C and reach a functional cure in 16 hours at 70°F or 20°C. The minimum recoat time for a second coat of ColorShield™ UV4 Polysilox Gelcoat is approximately 4 hours at 70°F or 21°C. Minimum Application Temperature is 50°F or 10°C. Subsequent ColorShield™ UV4 Polysilox Gelcoat coats should be applied within 24 hours after the previous finish coat. If the finish coat cannot be applied within 24 hours, the surface must be lightly sanded with 220 grit wet sandpaper, rinsed with tap water and wiped down acetone before applying the next coat.

Drying times are dependent upon temperature and humidity conditions. High humidity can slow down dry time. **DO NOT APPLY WHEN SURFACE TEMPERATURE IS OVER 100°F or 38°C. THIS WILL CAUSE THE COATING TO “FLASH DRY” AND SUBSTANTIALLY REDUCE ITS ADHESION TO THE SURFACE.** Failure to sand, rinse and solvent-wipe the surface may cause the topcoat not to adhere properly

APPLICATION EQUIPMENT: Brushes – short bristle, natural and high density foam brushes; Rollers – short nap (3/8” max.) non-shedding; microfiber or high density foam roller covers with a phenolic core; Pads – 1/4” synthetic applicator pads. Replace when brushes, rollers and pads become stiff. Spray Equipment – HVLP, airless or conventional spray system. **CONTACT SLIDERENU® FOR SPRAY SYSTEM RECOMMENDATIONS.**

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PRODUCT DATA SHEET, CONT'D



MIXING: ColorShield™ UV4 PolySilox Gelcoat may be thinned with xylene solvent up to 10% of the combined Part A and Part B mixed volume. The mixing ratio is 4 Part A to 1 Part B by volume. Stir Part A separately before combining with Part B. Two or more individual gallon containers of Part A should be combined into a five gallon bucket (boxing) to ensure uniform color consistency and to match subsequent touch ups. Mix the products using a paint agitator on slow speed until no streaking is observed, about 1-2 minutes. Pot life begins to be reduced if ambient temperature exceeds 85°F or 29°C. Put lid on container when not in use.

APPLICATION: For hand application, break down the one gallon kits into smaller manageable portions such as roller pans or small buckets; about ½ gallon of mixed product per applicator is recommended. This will keep the product cooler and improve usable life. For interior RAFT riding paths, the coating thickness should be a minimum of 9-11 DFT mils; interior BODY riding paths a minimum of 5-9 DFT and ALL EXTERIOR surfaces a minimum thickness is 3 DFT mils. Approximate theoretical coverage is 250 Sq. Ft. per gallon at 5 DFT mils. NOTE: Yellow, red and orange colors have poor hiding characteristics and typically require two coats due to the use of lead-free pigments.

CLEAN-UP: Use xylene, acetone or lacquer thinner to clean up spray equipment. Wash hands with a mild citrus-based soap.

WARNING: Use only with adequate ventilation when applying indoors. Avoid breathing vapor and spray mist. USE A BREATHING MASK AND PAINTER'S HOOD. Avoid contact with skin and eyes. WEAR FULL LENGTH PANTS AND SHIRTS. Wash hands after using product with a citrus-based soap. Keep all containers closed when not in use. ALWAYS USE PROTECTIVE EQUIPMENT. Do not take internally.

PRECAUTION: Causes serious eye irritation. May cause an allergic skin reactions. Suspected of causing cancer. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Avoid breathing vapor. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

FIRST AID: In case of contact: EYES: Immediately flush with water for at least fifteen (15) minutes. SKIN: Immediately remove from skin with dry cloth followed by thorough washing with a citrus-based soap and water. INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. INGESTION: Give large quantity of milk or water, induce vomiting. Contact a physician immediately.

Do not transfer contents to unlabeled containers. Store between 60°F (16°C) and 90°F (32°C).

WARNING: FOR COMMERCIAL AND INDUSTRIAL USE ONLY. READ PRODUCT DATA & SDS SHEET CAREFULLY BEFORE USE. DO NOT MIX THIS PRODUCT WITH ANY OTHER CHEMICALS. KEEP OUT OF REACH OF CHILDREN. FOR USE AND STORAGE BY TRAINED SERVICE PERSONS ONLY. FOR CHEMICAL EMERGENCY, SPILL OR ACCIDENT, CALL 412-434-4515 - REFER TO ITEM CODE #00336155 (PART A) OR ITEM CODE #00336135 (PART B) WHEN CALLING. CAUTION: KEEP OUT OF REACH OF CHILDREN.

DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make not guarantee or results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

NOTICE: Manufacturer makes no warranty express or implied, nor accepts any responsibility for any direct or consequential damages beyond purchase price because manufacturer cannot control or effect use. Manufacturer will not be responsible for any injury, loss, or damage, if product is used in any manner not in compliance with label directions or if precautions are not observed.

This product is available in one gallon and quart containers and sold exclusively by AquaShield Products, LLC.

#SR70128A

"PAINT" - NOT REGULATED • HS 320990 - NMFC 149980 • FRT 55/6



#SR70128B

UN 3066 - HM CLASS 8 • PG II - "PAINT" • HS 320990 - NMFC 149980 • FRT 55/60



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