

# SlideRenu®

## ChloroShield™ GCS12

### GELCOAT CLEAR SEALER

#### PRODUCT DATA SHEET



**DESCRIPTION:** FOR INDUSTRIAL USE ONLY. READ PRODUCT DATA & MSDS SHEET CAREFULLY BEFORE USE. All SlideRenu® coatings have been uniquely formulated to restore, rejuvenate and protect dull color faded water slide surfaces, aquatic play features and water slide towers from the harsh effects of ultra violet (UV) rays and chlorinated pool water between 3-4 ppm.

ChloroShield™ GCS12 is a clear chlorine-resistant WET LOOK urethane coating that forms a chemical bond to SlideRenu® ColorShield™ UV4 and acts as a final protective shield to the SlideRenu® three-coat water slide refinishing system. It may also be used as a stand-alone clear coating over painted surfaces to prevent white-haze chlorine build-up and to bring back the WET LOOK shine to color faded water slides and aquatic play features without using a primer. When cured, ChloroShield™ GCS12 is more durable than factory applied gelcoat finishes. Its long pot life (1-2 hours depending on temperature and humidity) allows the applicator sufficient open time to hand apply or spray the coating. ChloroShield™ GCS12 can cure at temperatures as low as 60°F or 16°C and at high levels of humidity 85% maximum with proper procedures. Dry times under ideal temperature conditions (70°F or 21°C / 40% Relative Humidity) are 3 hours to touch, 8 hours to recoat and a final cure in 24 hours. The coating has been formulated to have the highest gloss (+90 DOI/Delta) offered in the aquatics industry today and its WET LOOK SHINE can last up to 10 years with proper surface maintenance.

ChloroShield™ GCS12 has outstanding abrasion resistance to body riders, rafts, inner tubes and mats. It is suitable for water immersion and has excellent resistance to (UV) light and chlorinated pool water. ChloroShield™ GCS12 is the only proven solvent coating in the aquatics industry that is CHLORINE RESISTANT and UV STABLE. Other coatings such as marine paints and polyurethanes are not formulated to withstand the chemical effects of chlorinated water. ChloroShield™ GCS12 provides long-term gloss and color retention on all types of water slides, aquatic play features (metal and fiberglass) and water slide towers.

**CHEMICAL DESCRIPTION:** ChloroShield™ GCS12 is a two (2) component (Part A - Resin, Part B - Cure), low 3.5 VOC (meets California VOC regulations) inorganic polymerized acrylic urethane hybrid resin system which is "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 maximum shelf life of one (1) year when stored at 70°F or 20°C in the original sealed container.

**SURFACE PREPARATION:** Before applying directly to any gel-coat 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® cleaning products; SlideSoap™ and SlideDetergent™. For tough to remove surface contaminants and scale, use Calcirol™. (Refer to the Product Data Sheet for application instructions for all SlideRenu® products). After the gel-coat surface is clean, it must be sanded with 320 grit wet sandpaper and wiped down with lacquer thinner before applying ChloroShield™ GCS12. When applying as a final interior clear coat over ColorShield™ UV4 or other painted surfaces, the surface must be lightly sanded with 320 grit wet sandpaper and wiped down with lacquer thinner before applying ChloroShield™ GCS12. 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 wet sandpaper and wiped down with lacquer thinner prior to applying ChloroShield™ GCS12.

**IMPORTANT:** If the surface is not void of contaminants, sanded thoroughly, rinsed and wiped down with lacquer thinner solvent, the coating may not adhere properly.

**MIXING:** ChloroShield™ GCS12 is not very viscous which allows it to be sprayed right out of the can. However, if necessary, it may be thinned with xylene solvent up to 5% of the combined mixed volume Part A and Part B. The mixing ratio is 1 unit Part A to 1 unit Part B volume, e.g. 1 gal A, 1 gal B. Stir Part A separately before combining with Part B. Mix the products using a paint agitator on slow speed for 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.

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#### PRODUCT DATA SHEET - CONTINUED



**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 set up - conventional 55-60 psi at gun; HVLP 10 psi at cap; Pot pressure 15-18 psi. Gun set up – Siphon feed 1.4 – 1.8 mm; HVLP 1.4 mm – 1.7 mm; Pressure Pot 1.2 mm .046 fluid tip.

**APPLICATION:** For hand application, break down the one-gallon kits into smaller manageable portions such as roller pans or small buckets; about 1/2 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 3-4 DFT mils; interior BODY riding paths a minimum of 1-3 DFT and ALL EXTERIOR surfaces a minimum thickness is 1-3 DFT mils. Approximate theoretical coverage is 666 Sq. Ft. per gallon at 1 DFT mils. The coating should be tack-free in approximately 3 hours at 70°F or 20°C and reach a final cure in 24 hours at 70°F or 20°C. The minimum recoat time for a second coat of ChloroShield™ GCS12 is approximately 8 hours and maximum recoat time is 30 days at 70°F or 21°C. Minimum application temperature is 60°F or 16°C. Subsequent ChloroShield™ GCS12 coats should be applied within 24 hours after the previous coat. If the coating cannot be applied within 24 hours, the surface must be lightly sanded with 320 grit wet sandpaper, rinsed with water and wiped down with lacquer thinner solvent before applying the next coat of ChloroShield™ GCS12. Failure to sand, rinse and solvent wipe the surface may cause the topcoat not to adhere properly.

**IMPORTANT:** Drying times are dependent upon temperature and humidity conditions. Hotter temperatures can shorten the recoat window. DO NOT APPLY WHEN SURFACE TEMPERATURE IS OVER 100°F or 38°C. THIS WILL CAUSE THE COATING TO "FLASH DRY" TOO QUICKLY AND SUBSTANTIALLY REDUCE ITS ADHESION TO THE SURFACE.

**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.

**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. INDIGESTION - Contact a physician immediately. Do not induce vomiting. TRANSFER - Do not transfer contents to unlabeled containers. Store between 60°F (16°C) and 90°F (32°C). This product is available in one gallon containers and sold exclusively by SlideCare, LLC.

**DANGER: 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 SPILL, EMERGENCY, SPILL OR ACCIDENT, CALL 1-800-255-3924.**

**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 affect 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 containers and sold exclusively by AquaShield Products, LLC.

#SR76129A-PM500  
UN 1866 – HM CLASS 3 • PG II – "PAINT" • HS 320990 – NMFC 149980 • FRT 55/60



#SR76129B-PM500  
UN 1866 – HM CLASS 3 • PG III – "PAINT" • HS 320990 – NMFC 149980 • FRT 55/60



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