



3SC RTU[®]

— CONCRETE DENSIFIER —
DENSIFY. PROTECT. RESILIENT.

Praetorian's 3SC RTU Densifier delivers the first-step in ready-to-use (RTU) concrete densifiers by combining strong reaction chemistry and economical application in one package.

3SC RTU is engineered for rapid concentrated reaction with the concrete. It will effectively penetrate and fill deep into the smallest of pores and capillaries of the concrete. While filling the microscopic voids, it then reacts within the concrete to form calcium hydroxide. This reaction when hardened, creates a breathable surface while greatly increasing the hardness and strength overnight.

In addition, this added strength and density will reduce dusting, and improve abrasion resistance. Use and specify 3SC RTU Densifier for any concrete floor as a first application or a finish application. Use in any demanding environments such as; public schools, retail stores, warehouses, and other high-traffic concrete floor applications where performance, labor efficiency, and overall value are critical.

For enhanced stain resistance, apply PowerDense, Praesidio Guard, or PreFect Guard over 3SC RTU Densifier as recommended for the project conditions. 3SC RTU Densifier is an excellent choice for warehouse floors and other high-traffic concrete surfaces where durability, dust control, and efficient installation are priorities. Contact Praetorian Protective Finishes for project-specific recommendations.

PRIMARY APPLICATIONS

- Decorative concrete floors
- Retail concrete floors
- Concrete floors requiring densification before guard application
- Warehouse and industrial floor slabs
- Institutional floor slabs
- Suitable for new or existing concrete, including heavy-wear areas.
- Suitable for vertical surfaces
- First densification before Praetorian's lithium densifiers, guard densifiers, sealers, or coatings

PRAETORIAN

Protective Finishes, LLC[™]

KEY PERFORMANCE ADVANTAGES & BENEFITS

- Deep absorption into concrete
- Fast reaction and dry time for efficient project turn-times
- Rapid early hardness development
- Improve overall surface hardness and abrasion resistance
- Excellent concrete dusting control
- Breathable performance
- No caustic wastewater disposal
- Economical application without compromising quality.
- Will not contribute to alkali-silica reaction (ASR).
- Ready to use - no dilution
- Aids to extend the overall life of the concrete surfaces
- Enhances the appearance of polished and dyed concrete
- Compatible with recommended guard products when additional stain resistance is required

TECHNICAL INFORMATION

Color	Translucent clear
Odor	Mild
WT/Gal	8.65-8.75 lbs/gal
pH Range	9.3-9.6
VOC Content	Zero
Coverage	200-700 SF based on porosity and grind
Reapply Time	As needed in the first 30 minutes
Dry Time	15-30 minutes
Recoat Time	15-30 minutes
Polish Window	When completely dry
Foot Traffic	15-60 minutes
In-service/ Wheel Traffic	6 hours
Full Cure	3-5 days
Mohs Hardness	Up to 8 - overnight, depending upon age and porosity of the concrete

PREPARATION

Use an autoscrubber, with CLN-100 Multi-Purpose Cleaner (4oz per gallon water), for all phases of the cleaning processes.

Remove all coatings, sealers, curing compounds, bond breakers, dirt, grease, oil or any other containment from the concrete. Use PreCept EcoLift Cleaner for oil related cleaning, followed by a CLN-100 rinse. If the concrete is acid stained, thoroughly rinse and neutralize. If mold, mildew or fungus is present, clean the surface with a solution of 1-part household bleach to 3-parts water.

In the 'cutting' phase, grind the concrete to 80-200 grit to maximize penetration of the 3SC RTU Densifier. Use Praetorian's PowerCut or concentrated PowerCut 31 during the cutting/grinding stage to reduce process time, achieve a smoother surface faster, and reduce labor costs.

Following the 'cutting' phase, prepare floor to the desired grit smoothness. The level of gloss achieved is dependent upon the porosity of the substrate and the amount of pre-application grinding/polishing. Remove dust from the floor before applying 3SC RTU Densifier. If enhanced protection is needed, apply Praetorian Praesidio Guard, PreFect Guard, or Opti-Guard over 3SC RTU Densifier. Contact Praetorian Protective Finishes for recommendations.

SAFETY INFORMATION

Not classified as hazardous. Classification: Mixture. No Signal word. Symbol: None. Precautionary Statements: Keep out of reach of children. Wear protective gloves and eye protection. Wash hands thoroughly after handling. If swallowed, rinse mouth. Do not induce vomiting. If skin irritation occurs, rinse skin with water or shower. If experiencing respiratory symptoms, 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, and continue rinsing. If eye irritation persists, get medical advice or attention. For institutional use only. Not for retail sale or application. Keep from freezing. Store at room temperature. Shelf life is eighteen (18) months in the original unopened container. For emergency response, call Infotrac at 800-535-5053. DOT Not regulated. VOC's - Zero. Store between 40°F and 85°F. Do not freeze. Keep containers closed when not in use. Store in original container.

WARRANTY STATEMENT

The information on this document is based on the research by Praetorian Protective Finishes, LLC (PPF) and other industry experts and is believed to be accurate. No warranty of products can be made or implied by PPF due to variations in surfaces, project/building conditions, environmental conditions, and/or methods of applications used. PPF is unable to anticipate every possible variation encountered in the application of our products, nor anticipate every situation. PPF recommends purchasers and/or application personnel test products to determine the suitability of PPF products for its intended purpose. Praetorian Protective Finishes, LLC warrants this product to be free from manufacturing defects.

APPLICATION

3SC RTU Densifier is a ready-to-use (RTU) product. Gently stir or agitate before use. Apply using a manual pump-up sprayer or a commercial low-pressure sprayer at a rate of 300-600 SF per gallon. Use a micro-fiber flat mop or a bristle broom for spreading the densifier after application. Application rates will vary depending upon concrete porosity and grind profile.

1. Gently mix or agitate before use.
2. 3SC Densifier is ready to use, not designed to be diluted.
3. Pour product into a manual pump-up sprayer or commercial low-pressure sprayer. Apply uniformly on the prepared concrete.
4. Apply to the rate of absorption into the concrete. Product spread and use rate will vary depending on substrate porosity and fineness of preparation grind.
5. After initial application, spread and work into the floor with a stiff-bristle broom for 15-20 minutes, apply additional product to saturation/rejection as needed to maintain wet dwell time. Do not allow 'pooling'
6. Allow the floor to dry
7. After the floor is dry, either leave the floor as-is for dust-proofing or proceed with polishing steps.
8. Allow the densifier to continue the hardness process for six (6) hours or more before heavy traffic.

3SC RTU can be used as a first prep application on concrete for any densifier or sealer. Use PowerDense or WareShield for added stain resistance and/or increased shine. For added performance properties or more stain resistance apply Praesidio Guard or PreFect Guard on floors with 1500 grit or less. For floors polished over 1500 grit, use Opti-Guard. Daily clean with CLN-100 Multipurpose Cleaner (4oz / gallon water). Maintenance with diamond pads or brushes can be utilized to maintain the gloss on the concrete floor. DO NOT use acidic-based cleaners, damage to 3SC Densifier may occur. Minor surface burns can be repaired with burnish/polish.

Clean equipment with CLN-100. Refer to the CLN-100 TDS for appropriate dilution and rinse recommendations, then follow with a clean-water rinse.

Maintenance

Daily clean with CLN-100 Multipurpose Cleaner, diluted to 4oz to one gallon of water. DO NOT use acidic cleaners. Refresh surface occasionally with 3000+ diamond pad.

PACKAGING

Item Code	Packaged as - Type	Gallons	Liters
CF-2009/G	1 - Gallon - Round	1	3.79
CF-2009/5G	Plastic Pail	5	18.9
CF-2009/55DR	Poly Drum	55	208.2
CF-2009/TOTE	IBC Tote	275	1041