



T-1L RTU®

— CONCRETE DENSIFIER —
DENSIFY. PROTECT. RESILIENT.

T-1L RTU Densifier is a ready-to-use 'bottom-up' densifier designed for Type 1L concrete and other soft, porous-type concrete. Type 1L concrete pours can cause concern with durability and soiling due to the slower cure and lower Mohs hardness of the concrete. T-1L RTU will dive deep into the slab to increase Mohs hardness, scratch resistance, facilitate ease of cleaning, and reduce concrete dusting.

T-1L RTU delivers concrete densifier performance by combining strong penetration, fast reaction chemistry, and increased topical performance in one package. T-1L reacts within the concrete to form calcium silicate hydrate (CSH), helping fill and tightly-bond together the micro-pores and capillaries while increasing the overall Mohs hardness of the limestone mix in the Type 1L slab.

Specify and use T-1L RTU to improve performance properties in demanding environments such as public schools, retail stores, warehouses, and other high-traffic areas where scratch resistance, dust control, and efficient applications are priority. T-1L RTU specification is critical for concrete floor applications where performance, labor efficiency, and overall value are required.

T-1L RTU can be applied to new/green (uncured) or cured concrete. Apply before the cure-and-seal on new concrete for a noticeable increase in initial hardness. In addition, using T-1L RTU as pre-treatment will aid in hardness protection for future grinding and densification projects, giving the base needed to provide longevity of the slab.

For increased stain resistance, apply PowerDense, Praesidio Guard, PreFect Guard, or OptiGuard over T-1L RTU Densifier. Contact Praetorian Protective Finishes or its representatives for project-specific recommendations.

PRAETORIAN

Protective Finishes, LLC™

PRIMARY APPLICATIONS

- Apply on any Type 1L concrete
- Use on fresh pour slabs – before cure & seal
- Use when specifications require increased Mohs hardness
- Decorative concrete floors
- Concrete floors requiring densification before guard application

KEY PERFORMANCE ADVANTAGES & BENEFITS

- Ready-to-use formulation; no dilution required
- Suitable for new or existing concrete
- Deep penetration - densify concrete beyond topical
- Overnight hardness development
- Increase Mohs hardness of the concrete
- Fast reaction and dry time for efficient project sequencing
- Improved abrasion/scratch resistance
- Excellent concrete dusting control
- Breathable performance
- Does not contribute to alkali-silica reaction (ASR)
- Increases the effectiveness of other system densifiers
- Helps to extend the lifespan of concrete
- Enhances the appearance of polished and dyed concrete
- Compatible with recommended guard products
- Not wastewater hazardous

TECHNICAL INFORMATION

Color	Translucent clear
Odor	Mild
WT/Gal	8.85-8.95 lbs/gal
pH Range	9.3-9.6
VOC Content	Zero
Coverage	200-700 SF based on porosity
Reapply Time	As needed in the first 30 min
Dry Time	15-30 minutes
Polish Window	Optional, damp or dry
Foot Traffic	15-60 minutes
In-service/ Wheel Traffic	6 hours
Full Hardness	3-5 days

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, and other contaminants from the concrete. Use PreCept EcoLift Cleaner for oil-related cleaning, followed by a CLN-100 rinse. If the concrete is acid stained, rinse thoroughly and neutralize. If mold, mildew, or fungus is present, clean the surface with a solution of 1-part household bleach to 3-parts water.

Grind the concrete to 80–200 grit to maximize penetration of T-1L RTU. Use Praetorian's PowerCut or concentrated PowerCut 31 during cutting and grinding to help reduce process time, achieve a smoother surface faster, and reduce labor costs.

Refine the grind to the desired grit and smoothness. The level of gloss achieved will depend on substrate porosity and the amount of pre-application grinding or polishing. Remove all dust from the floor before application.

If enhanced protection is needed, apply Praetorian Praesidio Guard, PreFect Guard, or Opti-Guard over T-1L 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

T-1L RTU Densifier is a ready-to-use (RTU) product. Gently stir or agitate before use. Coverage rate is 200-700 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. T-1L RTU 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.

T-1L RTU Densifier can be used as a first prep application on concrete under any Praetorian densifier or sealer. Apply WareShield over T-1L 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-2001/G	1 - Gallon - Round	1	3.79
CF-2001/5G	Plastic Pail	5	18.9
CF-2001/55DR	Poly Drum	55	208.2
CF-2001/TOTE	IBC Tote	275	1041