



PowerDense[®]

— CONCRETE DENSIFIER —
DENSIFY. PROTECT. RESILIENT.

PowerDense Densifier is formulated to be a premium 'step-above' choice over standard lithium densifiers. PowerDense will provide advanced stain fighting performance with good chemical resistance. PowerDense penetrates the surface to produce calcium silicate hydrate reaction into the pores of the concrete, providing a layer of chemical resistance protection and increased hardness of the concrete in one application. PowerDense will not contribute to or trigger Alkali Silicate Reaction (ASR). PowerDense is not recommended in areas where strong acid solutions contact. Use PreFect Guard or Praesidio Guard for additional acid resistance and increased chemical resistance.

PRIMARY APPLICATIONS

- Decorative concrete protection
- Sports stadiums
- Restaurants
- Hospitals
- Industrial plants
- Airports
- Warehouses
- Concrete terrazzo
- Sewage plants
- Retail concrete floors

FEATURES & BENEFITS

- Ready-to-Use (RTU)
- Non-yellowing
- Fast dry
- Excellent scratch & mar resistance
- Stain resistant
- Increases surface life concrete and concrete terrazzo
- Water resistant
- Enhances appearance, including dyed concrete
- Breathable non-film forming
- Does not contribute to Alkali Silica Reaction (ASR)
- Efflorescence control
- Polish to a deep gloss appearance
- Excellent 'dusting' control

PRAETORIAN[™]

Protective Finishes, LLC

TECHNICAL INFORMATION

Color	Translucent milky white
Odor	Mild
WT/Gal	9.15 ± 0.05 lbs/gal
pH Range	11.0-11.2
VOC Content	Zero
Coverage	800-1000 SF - Fresh, uncured, troweled 400-800 SF - Existing hard troweled 250-400 SF - Existing broomed
Coats/passes	Up to two (2) application passes
Dry Time	15-30 minutes
Recoat Time	15-30 minutes
Polish Window	When completely dry
Foot Traffic	4 hrs, approximately
In-service	4-12 hours
Full Cure	3-5 days

PERFORMANCE & RESISTANCE PROPERTIES

FULL CURE | ASTM D1308-20 | SPOT TEST & RECOVERY

Water	Pass 100% – 60 min
Hand Sanitizer	Pass 100% - 60 min
Ice Removal Salt	Pass – 60 min very minor haze Repairable w/buff
Red Wine	Moderate protection – 15 min
Mustard	Moderate protection – 15 min
Ketchup	Good protection – 30 min
Pickle Juice	Moderate protection – 15 min
BBQ Sauce	Moderate protection – 15 min
White Vinegar	Not Recommended
Apple Cider Vinegar	Not recommended
Cola	Pass 100% - 60 min
Coffee	Pass 100% - 60 min
Isopropyl Alcohol	Pass 100% - 60 min
Betadine	Pass 100% - 60 min
Bleach	Pass 100% - 60 min
Alkaline Cleaners.	Pass 100% - 60 min
Windshield Washer Fluid	Pass 100% - 60 min

PRECAUTIONS AND LIMITATIONS

- Limited resistance to acids
- Use appropriate personal protective equipment
- Consult SDS before use

PREPARATION

Use an autoscrubber, with CLN-100 Multi-Purpose Cleaner for all phases of the cleaning process. For grease and deep grim build-up use PreCept EcoLift per label directions first and then follow up with CLN-100 Multi-Purpose Cleaner.

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

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

Following the 'cutting/grinding' phase, prepare floor to desired 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 PowerDense. If enhanced protection is needed, apply Praetorian Praesidio Guard, PreFect Guard or Opti-Guard over PowerDense. Contact Praetorian Protective Finishes, LLC for recommendations.

PACKAGING

Item Code	Packaged as - Type	Gallons	Liters
CF-2011/G	1 - Gallon - Round	1	3.79
CF2011/2G	2 - Gallon - Round	2	7.57
CF-2011/5G	Plastic Pail	5	18.9
CF-2011/55DR	Poly Drum	55	208.2
CF-2011/TOTE	IBC Tote	275	1041

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

PowerDense Densifier is a Ready-to-Use (RTU) product, no reduction is needed. Gently mix or agitate before use as some settling may occur. NOTE: DO NOT ALLOW product to 'puddle', apply to rejection only. Do not over apply, best to apply two thin coats rather than one heavy coat.

1. With a manual (pump-up) or commercial low-pressure sprayer, apply PowerDense uniformly on the surface. Apply enough to sufficiently wet the surface. Avoid allowing the product to pool/puddle on the surface. Do not 'flood' the surface.
2. Immediately after spray application, with light pressure, spread with the mop to distribute the product evenly on the concrete.
3. Re-wet by lightly spraying areas where absorption has occurred, do this for a period of 5 to 10 minutes.
4. Extract any material that does not absorb into the concrete.
5. Allow surface to set undisturbed for 10-15 minutes.
6. After the floor is dry, remove any dried powder residue from the surface with a stiff broom and/or power sweeper/vac.
7. For maximum shine, use a high speed burnisher 2000+ RPM or higher, equipped with a 1500 grit diamond pad, 'stair-step' grit up to 8000 for more shine. NOTE: If diamond pads are not readily available, use a 'hog's hair' pad, results will be less shine, but protection will not be affected. Also, use of a burnisher less than 2000 RPM may result in less depth of shine.
8. For best results, wait a minimum of four (4) hours before placing the floor 'back-to-service'. Stain and chemical resistance will continue to increase as PowerDense fully cures.

Maintenance

Daily clean with CLN-100 Multipurpose Cleaner, diluted to 4oz to one gallon of water. PreFect Guard can be spot applied and polished for repair of damaged areas. DO NOT use acidic cleaners. Refresh surface occasionally with 3000+ diamond pad.

SAFETY INFORMATION

Hazardous Ingredients: Silicic acid, lithium salt: 12627-14-4 | Product Classification: Mixture | Hazard Category 3 | Signal Word: WARNING | Symbol: None | Hazard Statement(s): Causes eye irritation. Causes mild skin irritation. | Precautionary Statement(s): Keep out of reach of children. Wear protective gloves/eye protection. Wash hands thoroughly after handling. IF SWALLOWED, Rinse mouth. Do NOT induce vomiting. If skin irritation occurs, rinse skin with water/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. Continue rinsing. If eye irritation persists: Get medical advice/attention. For Institutional use only. Not for retail sale or application. Keep out of reach of children. Keep from freezing. Store at room temperature. Shelf-life eighteen (18) months in original container, unopened. For Emergency call Infotrac 800-535-5053 | DOT Not Regulated | VOC's—less than 50 g/l. Consult SDS before use.