



BioDefense 24/7[®]

Fuel Pump & EV Charging Stations



Product Info

Invisibly protect your fuel dispensers & EV chargers with BioDefense 24/7® and reduce static electricity, destroy VOC pollutants, lower surface temps 12 to 15% all while protecting your paint or decals from UV fading, and reducing cleaning labor by 50% due to creation of a self-cleaning surface. Offers protection from acid rain, salts & other mineral deposits, and potential rust corrosion. Extends the life of your surfaces for an immediate appearance enhancement and long-term return on investment.

DevMar® has successfully combined two emerging technologies to address multiple problems of surface protection against corrosion, soil adhesion, atmospheric fouling, abrasion, static, and UV degradation with “liquid nano-metal” penetrating sealing. Employing a proprietary water-based fusion of nanotechnology-sized polymeric particulates, BioDefense 24/7® protectant works on all hard and soft surfaces to seal, protect, enhance appearance, and extend asset life. BioDefense 24/7® also utilizes nano-metal oxides to densify and strengthen surfaces without hardening to further enhance UV protection, reducing biofouling and increasing surface protection.



Where to Use

All components within a fueling station including dispenser cover, electronic keypads, glass, nozzle, hose, and handles. Versatile on many different hard and soft surfaces to include canopies above dispensers and trash receptacles. Use on metals, fiberglass, wood, tile, natural stone, glass, stainless steel, ceramic, plastics, aluminum, clear coats, painted surfaces, steel, concrete, masonry, stone, composites, ABS, & polycarbonate..

Appearance: White liquid

Fragrance: Faint Lemon

pH: 7.0-8.0

Flash Point: Same as Water

Storage: Between 40° F and 110° F

Compliance: Zero VOC's Non-pollutant for air, water, soil

Benefits

- Dramatically reduces biofouling, oxidation, UV degradation, and friction.
- Eliminates mineral deposits/build-up on the surfaces.
- Surfaces remain clean and are easy to maintain after BD 24/7 treatment.
- Rejuvenates surfaces and brings out original color and luster.
- Extends the life of your surfaces and reduces maintenance costs for an immediate and long-term return on investment.
- BioDefense 24/7® destroys VOC's, prevents corrosion, inhibits UV, and lowers the applied surface temperature.

Features

- Water-based (petroleum free)
- Non-flammable
- Non-toxic
- Non-abrasive
- Does not affect pH
- Does not etch surfaces
- Does not add weight or dimension
- Does not contain waxes, silicones, PTFE's, or oils
- NO VOC's
- Viable to 662° F or 350° C
- Does not harden or yellow
- Enhances shine and matte finishes
- 100% soluble in water
- Ozone safe

Confirmed Testing

Passes or exceeds the industry standard for:

Boeing D6-17487: (Exterior and General Cleaners and Liquid Waxes, Polishes, and Polishing Compounds)
Boeing D6-7127: (Cleaning Interiors of Commercial Transport Aircraft)
Douglas CSD #1: (Materials and Procedures for Polishing Aluminum Surfaces)
Aerospace Materials Specification (AMS) 1650C: (Polish, Aircraft Metal Type 1: Liquid)
ASTM B117: (salt spray corrosion 500+ hours)
ASTM F1110: (aviation sandwich corrosion)
ASTM F483: (aviation immersion corrosion)
ASTM F519-93: (hydrogen embrittlement) ATM F519, Type 1c: (hydrogen embrittlement) ASTM F485: (no stain/residue test)
ASTM F502: (acrylic crazing)
ASTM F484: (stress crazing on acrylic to 4500 psi) ASTM D56: (flash point 140 deg. limit)

Use Instructions

Always refer to SDS and product label prior to use. Do not use and/or combine with other chemicals. BioDefense 24/7® is ready to-use and does not need to be diluted.

Thoroughly clean surfaces

- Apply sealer to a dry and clean surface with fine-mist sprayer and gently spread with a soft cloth.
- Allow to dry for 2 minute and reapply if first application.
- Buff with a soft cloth when applicable.

Tips

- One-gallon seals up to 3,500 sq ft of hard surface & 1,500 sq ft of soft surface
- For large applications, spray with a backpack sprayer or another fine mist applicator. An electrostatic sprayer may be used.
- For the first application, two coats are recommended

Warning

As with all cleaning and sealing products, use protective wear (gloves and goggles to avoid skin and eye contact).