



# BioDefense 24/7™

Concrete & Masonry Nano-Sealer – All surfaces

## Product Info

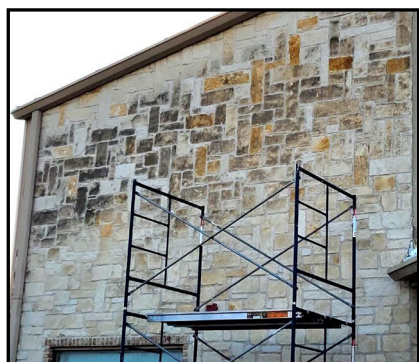
**BioDefense 24/7™** protects and seals concrete, masonry, and stone, from parking lots, loading docks, entryways, and sidewalks to masonry verticals, especially delicate statuary and ornate façades.

**BioDefense 24/7™** is the most advanced masonry sealer available. Nanotechnology delivers deep penetrating protections and unique features to enhance your masonry surfaces and maintain a like-new look.

**DevMar®** has successfully combined two emerging Nanotechnologies to address multiple problems of surface protection against erosion, soil adhesion, UV damage, atmospheric biofouling, and staining with a “vitrified Nano-metal oxides” fusion that works with light and the weather to keep surfaces clean. It enhances “curb appeal”, extends asset life, and minimizes future cleaning with photocatalytic oxidation (PCO), a fascinating phenomenon of Nanotechnology.

Some of the proven properties of photocatalytic oxidation (PCOs) are:

- **Self-cleaning:** PCO-coated surfaces become super-hydrophilic, causing water to flush dirt and staining atmospheric pollutants, like exhaust fumes, to stick to the surface.
- **Deodorizing:** PCO-coated surfaces decompose odor-causing VOCs and reducing them inert.
- **Anti-microbial:** When PCOs are activated with light, free electrons indiscriminately dissolve and disassemble any microbes



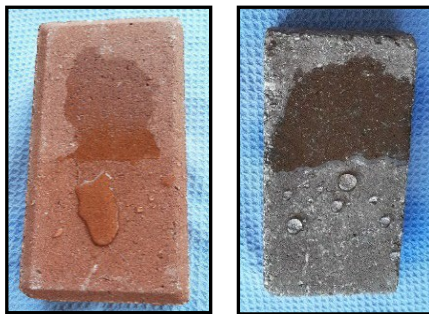
Left (N.W.) side of Texas limestone church stained by mold and pollutants prepared for deep cleaning



Same church two years after cleaning with Nano cleaner then sealed with **BioDefense 24/7™**

## Where to Use

Versatile on many different hard surfaces like concrete, brick, natural and cast stone, pavers, travertine, unglazed clay tile roofs, and floors.



**BioDefense 24/7™** reduces adhesion of airborne hydrocarbons, reduces water damage, repels water, snow, and ice for freeze-thaw protection, protects the surface against efflorescence, spalling, and has excellent ultraviolet resistance.

**Appearance:** White liquid  
**Fragrance:** Sweet 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

- Save 30% to 50% on routine cleaning once deep cleaned and sealed
- Reduce biofouling, erosion, UV degradation, and static
- Rejuvenate surfaces to a like-new finish
- Extend the life of your surfaces
- Reduce maintenance costs
- Long-term return on investment
- Eliminates the need for other products that hide scaling and deposits



## Features

- Enhances “curb appeal”
- Densifies surface
- Invisible when cured
- Eco-friendly
- Water-based
- Spray, wipe, or mop on
- Can be applied with an electrostatic sprayer
- Non-flammable. Non-toxic.
- Clear non-yellowing
- Contains No silicone, PTFE, oils, or wax
- Odorless
- NO VOC's
- Ozone safe

## Use Instructions

Always refer to SDS and product label prior to use.

**BioDefense 24/7™** is ready-to-use and easier to apply than other concrete and masonry sealers because it is not as thick or heavy as silicone chemistries.

It sprays, rolls or mops on more quickly and evenly and may be applied with electrostatic equipment.

### APPLICATIONS:

- Surface to be treated shall be dry, free of dirt, grease, moisture, etc.
- New concrete must be allowed to cure at least 14 days before application.
- Product may be applied with low-pressure spray equipment, a brush, roller, or electrostatic sprayer.
- When using low-pressure equipment, apply a light mist coating to break the surface tension; this allows for good penetration. Repeat the process with a flood coat (4 to 6 inches run down on vertical surfaces).
- Do not allow to puddle on flat surface applications. Brush or squeegee from low spots before drying.
- Surface type coverage rates vary between 50 – 200 square feet per gallon. See label.

### NOTE:

- Air and surface temperature must be above 40° F during application.
- Caulking should be installed prior to application.
- Protect surrounding non-masonry surfaces, such as glass, aluminum, etc.
- Inadvertent splash or over-spray should be removed with water before the solution has dried on the surface.
- Do not apply when rain is predicted within 24 hours.

NOTE: Denser, protected (indoor) concrete slabs may get up to 40% greater coverage.

### Warning

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

**Cover Photos:** Neglected for over fifty plus (50+) years. Three plus (3+) years after being cleaned with Bio-restore and then protected with **BioDefense 24/7™**