



**NewEraSOS™**  
Scientific Optimal Solutions

# NewEraSeal™ Stayz Sealer

Photocatalytic Oxidation (PCOs) – Proven Properties of PCOs on Surfaces Causes VOCs Inert

## Product Info

**NewEraSeal™ Stayz Sealer** is a water-based Nano-enhanced deep penetrating water repellent. The formulation includes photocatalytic Nano-metal oxides designed for superior protection of concrete, masonry, stone, stucco, pavers, masonry verticals, and ornate delicate façades.

It is the most advanced Nano-chemistry masonry sealer available. Nanotechnology delivers deep penetrating protections and unique features to enhance your masonry surfaces and maintain a like-new look.



Figure 2: Left (N.W.) side of Texas limestone church stained by mold and pollutants prepared for deep cleaning.



Figure 1: Same church two years after sealing.

NewEraSOS™ 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.

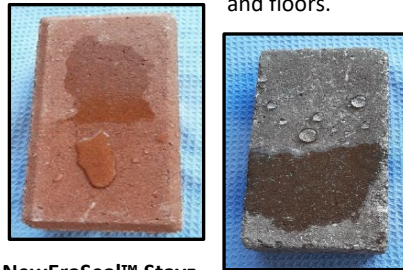
Some of the proven properties of photocatalytic oxidization (PCOs) are:

- **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 inert.
- **Antimicrobial:** When PCOs are activated with light, free electrons indiscriminately dissolve and disassemble any microbes.

## Where to Use

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



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

## Benefits

- Excellent ultraviolet protection
- Decreases darkening of surfaces
- Protects against efflorescence
- Protects against spalling
- Reduces adhesion of airborne hydrocarbons
- Provides protection against freezing and thawing
- Dries clear and tack-free
- Save 30% to 50% on maintenance expense
- Extend the life of your surfaces
- Long-term return on investment
- Eliminates the need for other products that hide scaling and deposits
- Easier to apply: Formulation is not thick/heavy like silicone sealers

## Features

- Enhances “curb appeal”
- Densifies surface
- Invisible when cured, non-yellowing
- Eco-friendly, water-based
- Can be applied with an electrostatic sprayer
- Non-flammable, Non-toxic.
- 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.

### Ready to Use.

1. Surface to be treated shall be dry, free of dirt, grease, moisture, etc.
2. New concrete must be allowed to cure at least 14 days before application.
3. Product may be applied with low-pressure spray equipment, a brush, roller, or electrostatic sprayer.
4. 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).
5. Do not allow to puddle on flat surface applications. Brush or squeegee from low spots before drying.
6. Surface type coverage rates vary between 100 - 1000 square feet per gallon.
7. Do not dilute or alter. Store at room temperature.

### Use Notes:

- 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.

**Size:** 1-gal, 2/1-gal, 4/1-gal, 5-gal Pails, 55-gal Drums, and 275-gal Totes  
**Appearance:** White liquid  
**Fragrance:** Sweet Lemon  
**Ready to Use**  
**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

## Warning

As with all cleaning and sealing products, use protective wear per SDS.

## Cover Photo

(Before) Neglected over fifty years.  
(After) Over 3 years after being cleaned with **Dr. KlarX™ BioRestore** and then treated with **NewEraSeal™ Stayz Sealer**.