

TECHNICAL DATA SHEET **(SEAL100-PC)**

“SEAL100-plus an added non-caustic cleaning ingredient that will deep clean the concrete in one-step process that will also densify and seal.”

PRODUCT DESCRIPTION

- In composed of SEAL100 plus cleaning ingredient deeply into concrete’s surface porosity.
- Since cleaning agent, due to its molecular structure, is not designed to penetrate concrete’s microporosity, it becomes strained out at surface porosity bottom, depositing cleaning agent from that point back to the concrete’s surface evidenced visibly by green residue.
- After about 20 minutes, concrete can begin being cleaned with high-pressure water blaster.
- Is a yellow-green, non-toxic, odorless, environmentally neutral, non-flammable, user friendly, zero volatile organic content colloidal liquid penetrating solution.

BASIC USE

- SEAL100-PC integrally waterproofs, densifies, and preserves the concrete and provides concrete with an effective chloride ion barrier significantly preserving its imbedded steel by greatly reducing the potential for detrimental contaminant ingress.
- Provides concrete with increased acid, chemical, and surface abrasion resistance as well as a deep-cleaned surface.
- Penetrates and prolifically reacts with free alkali in concrete to convert SEAL100-PC’s very low solids colloidal liquid into internally-produced, especially-formulated insoluble 100% solids becoming a strong and effective barrier occupying accessible porosity, pore

channels, and other tiny voids. This unique internally-produced C-S-H barrier remains flexible and able to breathe generating little or no heat during its liquid to solids conversion.

- This internally-produced C-S-H barrier with its extremely small pore sizes greatly restricts or eliminates gases transmission (i.e. radon gas). In just minutes, following SEAL100-PC application, existent embedded steel corrosion activity, if any, is chemically halted, or at the very least, greatly retarded, and action that becomes perpetuated through the subsequent barrier prevention of contaminate and electrolyte ingress.
- Enhances concrete hardening, densification, waterproofing, detoxification, strengthening, etc., benefits provided with no deleterious effect to concrete’s appearance or physical characteristics.
- Enhances concrete’s surface bondability, but does not impair surface traction quality.

PRIMARY APPLICATIONS

- Since SEAL100-PC can be applied to concrete, without impairing its surface traction quality, SEAL100-PC can be effectively used to enhance any concrete installation, traffic bearing, or not. i.e. street/highway pavement, bridge decks, parking decks, airport pavement, hydro dams, pavers, sidewalks, driveways, etc.

FEATURES AND BENEFITS

- Aids in deep cleaning of concrete.

- Significantly densifies concrete to make concrete more durable.
- Internally waterproofs concrete and greatly diminishes permeability.
- Inhibits vapor transmission and prevent efflorescence flotation.
- Enhances surface traction quality and bondability
- Improve thermal resistance (R-factor) and increases acid/chemical resistance.
- Lowers chemical reaction and creep deformation potential.

DIRECTIONS FOR USE

- Apply SEAL100-PC using a medium to high-pressure airless paint spray with fan spray tip.
- Holding spray tip 6 inches from surface with applying at the rate of 200 sq. feet per gallon (overlapping spray pattern of approximately 10-20%).
- Application should begin at lowest point in elevation. For example, walls or steep slopes should be applied from bottom up, overlapping spray patterns approximately 10 to 20%.
- As SEAL100-PC penetrates the concrete a greenish residue will remain visible. This residue should be removed by pressure-washing (hot water for best result), beginning in approximately 20 minutes following SEAL100-PC application.

TECHNICAL DATA

- Physical: liquid
- Color: yellowish-green

- Odor: none
- pH: \pm 12 (buffered)
- Flammability: none
- Hazardous vapors: none
- Clear-up solvent: water
- UV resistance: excellent
- Surface bond quality: excellent
- Chloride screenability: excellent
- VOC/VOS content: zero

PACKAGING

SEAL100-PC is packaged in

- 5 U.S. gal pails.
- 55 U.S. gal drums.

PRECAUTIONS

- Any coating that may restrict access to the concrete’s interior must be chemically or mechanically removed for SEAL100-PC to penetrate.
- SEAL100-PC may etch glass or dull shiny aluminum and can be difficult to remove from other surfaces once it dries.
- Do not apply SEAL100-PC to frozen concrete or when temperature is near freezing.
- Wait at least 24 hours before applying paint, adhesives or other coating that has been treated with SEAL100-PC.
- Protect areas not intended for coverage.
- Do not allow SEAL100-PC puddle or buildup.
- SEAL100-PC spray mist is not hazardous to breathe. However, we do recommend the use of a face mask during application. Refer to MSDS.
- For more information, refer MSDS.