

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

“Seal100 plus an ingredient that provides a long lasting surface shine.”

PRODUCT DESCRIPTION

- Is a colloidal silicate subsurface barrier, that leaves a semi-gloss, finish.
- Is milky white (dries clear) environmentally neutral, user-friendly, and contains zero VOC/VOS.

BASIC USE

- Integrally waterproofs, densifies and preserve concrete of any age at any point during its useful lifespan, and provides a long lasting surface shine.
- Provides concrete an effective chloride ion barrier that helps preserve its imbedded steel.
- Greatly increases surface abrasion resistance as well as surface acid/chemical damage resistance.
- Halts, or at least greatly retards, existent (if any) internal corrosion activity by removing corrosion’s electrolyte and molecular oxygen availability.
- SEAL100-G treatment will, in general, boost concrete’s overall integrity as it supplements, densifies, waterproofs, strengthens, internally detoxifies without deleterious effect on concrete’s traction quality, bondability, external appearance, or physical characteristics.
- Is excellent as a primer for surface treatment. It can be used for enhancing any concrete installation and traffic pavement.
- When applied, SEAL100-G processes, in the plastic or semi-plastic mix, reciprocating acceleration of hydration’s reaction rates and

processes, in turn generating increased volumes of cement paste/hydration product, in a significantly shorter period of time, utilizing all of the remaining capillary water and leaving none to later evaporate and leave voids spaces. As a result of utilizing all remaining capillary mix water, the concrete’s capillary void spaces become more segmented and smaller than usual.

- SEAL100-G cure method:
 - Provides concrete an especially formulated permanent subsurface precipitate barrier containing pore sizes smaller than concrete’s microspores, even further diminishing porosity/permeability effectively forcing gases such as radon to seek other avenues of escape instead of passing through the concrete, where applicable.
 - Leaves no surface residue to interface with surface bonding quality, important where stripping or applying a topical.
 - Produces concrete significantly more waterproof abrasion resistant, freeze damage resistant, dust resistant, acid/chemical resistant, etc.

PRIMARY APPLICATIONS

- Traffic pavement such as bridge decks, parking garage decks, airport pavement, tunnels, hydro dams, sidewalks, driveways, parking lots, concrete pavers, etc.
- Cure method of new concrete.

FEATURES AND BENEFITS

- Provides long lasting shine and internal

humidity stability.

- Leaves a semi-gross finish.
- Internally waterproofs concrete.
- Makes concrete more durable.
- Greatly diminishes permeability.
- Enhances surface traction quality and bondability
- Restricts vapor transmission.
- Preserves concrete's integrity.
- Eliminates internal water migration.
- Resists freeze-thaw damage.
- Easier-snow/ice removal.
- Improve thermal resistance (R-factor) and increases acid/chemical resistance.
- Add surface abrasion resistance.
- Decrease dusting potential.
- Lowers chemical reaction and creep deformation potential.
- Alleviates carbonation effects, if any.

DIRECTIONS FOR USE

- Apply SEAL100-G using medium to high-pressure airless paint spray unit, complete with fan spray tip nozzle. Holding spray tip 6 inches from concrete surface.
- Apply SEAL100-G at min. rate of 200 sq. feet per gallon with an overlapping spray pattern of 10-20%.
- Begin application at the lowest elevation. For example, walls and slopes should be applied side to side from the bottom up.

TECHNICAL DATA

- Physical: liquid
- Color: milky white (dries clear)
- Odor: none

- Specific gravity: 1.10
- pH: \pm 11.5
- Flammability: none
- Toxicity: none
- VOC/VOS content: none
- Surface bond quality: excellent
- Paintability: excellent
- Clear-up solvent: water
- Environmental impact: none/neutral
- R-factor increase: up to 20%
- Chloride screenability: excellent
- User status: friendly

PACKAGING

SEAL100-G 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-G to penetrate.
- SEAL100-G may etch glass or dull shiny aluminum and can be difficult to remove from other surfaces once it dries.
- Do not apply SEAL100-G 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-G.
- Protect areas not intended for coverage.
- Do not allow SEAL100-G puddle or buildup.
- SEAL100-G 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.