

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

“Seal100 plus an ingredient that penetrates deeply into concrete to prevent any further corrosion of rebar.”

PRODUCT DESCRIPTION

- Is spray-applied to the concrete’s surface as a remedial treatment for apparent corrosion taking place area or a preventive treatment for no visual signs of corrosion as yet area.
- As a remedial treatment, SEAL100-RB arrests or greatly retards, destructive corrosion activity.
- As a preventive treatment, where imbedded steel is not yet corroding, SEAL100-RB works to prevent corrosion processes from commencing by neutralizing acids.
- SEAL100-RB is non-petroleum, odorless, colloidal liquid which contains no VOC/VOS.
- User friendly and environmentally safe product.

BASIC USE

- SEAL100-RB penetrates into concrete to extraordinary depths and effectively attacks existent conditions that can create corrosion activity to arresting/preventing at the very least significantly retarding rust producing reactions.
- SEAL100-RB performs to prevent rusting(corrosion) of the iron by shutting out the O₂/H₂O supply. Neutralization of acids where applicable, and by deaeration of corrosion product(rust) where applicable, and along with permanent conversion of steel’s oxide coating to Fe₂O₃, with removal of electrolyte presence.
- SEAL100-RB has ability to reduce the chloride ion content, present in concrete’s accessible porosity. Furthermore, internally

generated SEAL100-RB precipitate which is permanently deposited in SEAL100-RB’s paths of reticulation, while penetrating concrete to its imbedded steel, permanently deprives the treated concrete of corrosion’s very necessary ingredient, electrolyte.

PRIMARY APPLICATIONS

- Apply to any concrete structure to prevent further corrosion of old imbedded steel without removing the concrete.

FEATURES AND BENEFITS

- Significantly densifies and makes concrete more durable.
- Internally waterproofs to greatly diminishes permeability.
- Inhibits vapor transmission.
- Prevent efflorescence flotation.
- Enhances surface traction quality and bondability
- Provides internal humidity stability
- Integrally preserves concrete’s integrity.
- Resists freeze-thaw damage
- Improve thermal resistance (R-factor) and increases acid/chemical resistance.
- Lower chemical reaction and creep deformation potential.
- Non-toxic, user friendly and environmentally safe.

DIRECTIONS FOR USE

- Apply SEAL100-RB using medium to high-pressure airless paint spray unit with fan spray tip.

- Apply SEAL100-RB to point of saturation twice in back-to-back application. For example, apply SEAL100-RB by visually establishing start and finish points, then prior to relocating spray equipment to next area of application, apply SEAL100-RB to the same area again, using the established start and finish points.
- Use 100 square feet per gallon. However, actual SEAL100-RB may vary, depending on concrete's permeability factor, etc. Damp or wet concrete may be treated by removing all water puddles, if any.
- SEAL100-RB 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%.

TECHNICAL DATA

- Physical: liquid
- Color: clear
- Odor: none
- pH: \pm 12
- Flammability: none
- Hazardous vapors: none
- Clear-up solvent: water
- UV resistance: excellent
- Surface bond quality: excellent
- Chloride screenability: excellent
- VOC/VOS compliant: yes

PACKAGING

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