

**CHEMICAL HARDENER, DENSIFIER, SOLUBLE CHLORIDE REDUCER, CURE AND SEAL****BENEFITS****BLOCKS**

and reduces  
vapor emissions  
through concrete  
but leaves  
concrete  
breathable

**PURGES**

soluble chlorides  
and prevents  
reentry

**CURES**

and chemically  
hardens in one  
application

**PENETRATION\***

depends on  
density of  
concrete and  
masonry  
substrate. Does  
not alter  
bondability

**ECONOMICAL.**

Cures, seals,  
hardens and  
dust-proofs  
freshly placed  
concrete in one  
easy application

**NON-  
COMBUSTIBLE.**

No flammable  
solvents. Ideal  
for food  
preparation areas

**CONTAINS**

a non-acid  
penetrating agent  
- resists many  
acids, oils,  
greases and salts

**DESCRIPTION:**

**PLS-107P Sealer** is a nonflammable, nontoxic, nonacid sealer that strengthens and internally waterproofs cementitious materials. **PLS-107P** reduces vapor emissions for application of surface coatings such as polyurea coatings, epoxy coatings, urethane coatings, carpet floor tile sheet vinyl and hardwood flooring materials.

**PLS-107P Sealer** reacts with free alkali in the concrete forming a silica hydrogel that fills the capillaries within the matrix. This hydrogel waterproofs and seals the substrate after all materials harmful to the concrete are removed. This process could take up to thirty days or longer, depending on the chloride and acidic residual concentration within the capillaries.

In conditions where salt air and humidity attack the concrete causing oxidation of the reinforcing steel. **PLS-107P Sealer** has proved to halt such corrosion activity. When applied to concrete exposed to such conditions, exfoliation or expulsion of the chlorides takes place.

**PRECAUTIONS:**

Protect vehicles, glass surfaces, plant life, aluminum, ceramics, glazed tile and wood from overspray. Remove overspray with water immediately. Unprotected areas should be pre-wet with water and rinsed continuously. Eye protection, gloves and appropriate clothing should be worn to minimize skin contact. **CAN ETCH GLASS.** Remove immediately.

**APPLICATION TO CURED CONCRETE:**

Shake well before using. Surface must be free from oils, grease, curing agents, coatings, sealers or any other products that would inhibit the penetration of the sealer. Do not dilute or alter. Protect from freezing. Application temperature range 40° - 100°F. May be applied by brush, roller or low pressure sprayer.

**Horizontal Surfaces:** Avoid over-application and puddling. **Excess unreacted PLS-107P Sealer will leave white crystals on concrete.** Brush or broom to more porous area.

**Vertical Surfaces:** Apply from top to bottom to point of refusal. Apply sealer in two even coats using a low-pressure sprayer. After the first coat has soaked in, immediately apply the second coat.

Apply only as much material as the surface will readily absorb. Areas that absorb sealer at faster rate will require additional coats. Avoid puddling and over-application.

After the final coat of sealer is dry, spray a light mist of water over the treated area. After the first water-mist is dry to touch, apply a second water-mist coat.

**CURE AND SEAL FOR NEW CONCRETE:**

Can be used to cure and seal newly placed concrete.

**Method:** Upon removal of forms or disappearance of bleed water and when concrete will not be marred by walking workers, use a low-pressure sprayer with a fan-tip nozzle producing 1/2 gal. per min. with 40 psi, a brush or roller to apply a uniform film. Avoid puddling in low areas.

**VERTICAL SURFACES:** Apply from top down using a low-pressure sprayer (40 psi) with a fan-type nozzle or with a roller with a minimum 3/8" nap. Flood surface until excess runs down 6 to 8 inches below spray pattern. For maximum coverage, a wet-on-wet reapplication within 15 minutes is recommended.

**HORIZONTAL SURFACES:** Apply a flood coat using sufficient material so surface remains wet for 3 to 5 minutes. A wet-on-wet reapplication within 15 minutes is recommended for maximum coverage. **CAUTION: Avoid over-application or ponding as may cause darkening of surface.** Brush or broom to spread to more porous area.

**DRY TIME:** Dry to touch in 2 to 6 hours depending upon temperature and humidity.

**COVERAGE:**

Fresh concrete: 300 - 400 SF/gal  
Cured concrete: Rough Slab Finish: 50-150 SF/gal  
Dense and Smooth Finish: 150 - 250 SF/gal

**\*Different concrete composites (flash additives) may require different system approaches. Porous block and concrete may require application of PLS-107P Pretreatment before PLS-107P Sealer is applied.**

**COMPLIANCE:** VOC/VOS; ASTM C67; ASTM C666; ASTM C23-69; ASTM C805; ASTM C873; ASTM D4060; AASHTO T260; AASHTO T259-78; CSA A23/2-90; USDA compliant for use in food processing areas.

**CLEAN UP:** Rinse equipment with cold water. Dispose of empty containers appropriately.

**CONTACT:** Instacoat Premium Products for more application instructions.