



REMR MATERIAL DATA SHEET CM-SE-1.1

CONCRETE SEALER: PSI 6000

1. NAME

PSI 6000

Because of its high viscosity, PSI 6000 is excellent for use on architectural surfaces of concrete and masonry material. There is no gloss or odor change with PSI 6000 application.

2. MANUFACTURER

Pacific Solutions, Inc.
2128 Arnold Way
Alpine, CA 92001
Telephone: 619-445-5385

With its water-repellent characteristic, PSI 6000 provides a permanent surface, thereby eliminating the need for frequent application. This saves on scaffolding and labor-related costs. There is an expected 20-year wear life with PSI 6000.

3. DESCRIPTION

Substituted silane in an organic solvent system.

Limitations: None listed in manufacturer's literature.

4. USES & LIMITATIONS

Uses: For sealing cured concrete to provide protection from freeze-thaw damage, erosion, chloride ion-related corrosion and delamination, and mortar leaching.

For use where concrete or masonry surfaces are exposed to periodic contact with water and waterborne chemicals to include acids, bases, and deicing chemicals.

Designed for new and old concrete and masonry. Protects all types of concrete products including cast-in-place concrete, precast and prestressed concrete, concrete block, mortar, brick, and natural stone. Product is ideally suited for surfaces subject to abrasion such as buildings, parking structures and ramps, taxiways, and sidewalks.

5. MANUFACTURER'S TECHNICAL DATA

Physical properties:

Evaporation rate	
(butyl acetate = 1.0)	3.78
Color	Water color
Toxicity (rating), ppm	200
Solubility in water	None
Boiling point	105° F
Flash point	None

Shelf life: Stable minimum of 1 year when stored properly at ambient temperature.

Precautions: PSI 6000 is an eye and skin irritant. Avoid eye or skin contact. May not be compatible with certain paints and coatings. Test application should be made to determine compatibility prior to proceeding with field application.

Warranty: Special labor and material warranties for PSI 6000 performance

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are available from Pacific Solutions, Inc.

6. MANUFACTURER'S GUIDANCE FOR APPLICATION

Surface preparation: Substrate should be free from any surface accumulations of dust, oil, grease, rubber tire residue, concrete curing or bond breaking membrane or residue, paint, protective sealers, and other foreign materials.

For maximum performance on old concrete surfaces previously exposed to vehicular traffic, dustless abrasive blasting is recommended to remove surface contaminants and open substrate for maximum sealer penetration. Sand or water blasting can be used on surfaces not previously contaminated with chloride ion.

Application: Apply using low-pressure positive displacement airless spray equipment. Sealer can also be brush or roller applied. All applications should be in one smooth continuous coat at a rate of 125 to 175 sq ft/gal. Clean up with mineral spirits.

7. CORPS OF ENGINEERS' EVALUATION

Physical and mechanical properties:

Percent solid
(ASTM D 1644, Method A): 12.0%

Percent water absorption
(ambient temperature) (ASTM C 642):

1 day	0.18%
2 days	0.32%
4 days	0.53%
7 days	0.77%

Ratio of percent water absorption for treated to nontreated specimen (2-day submersion): 6.81%

8. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of sealant activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets should be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.

9. AVAILABILITY & COST

PSI 6000 is available through Pacific Solutions, Inc., 2128 Arnold Way, Alpine, CA 92001. Call 619-445-5385 for the nearest PSI distributor and for the cost of the product.

10. TECHNICAL SERVICES

In addition to personnel in product distribution centers, Pacific Solutions, Inc., maintains a technical staff who are well informed on sealing concrete and masonry surfaces.