

POLY WALL®

1. Product Name

Clear Seal 5000 Coating

2. Manufacturer

Protective Coatings
Technology, Inc.
Menomonie, WI 54751
(800) 846-3020
www.poly-wall.com

3. Product Description

BASIC USE

Clear Seal 5000 sealer (Clear Seal 5000) is designed for use on concrete, concrete masonry, brick and stone surfaces to prevent the penetration of water as well as protect the surface from other chemical intrusion. Typical application includes coating brick or stone facades as well as coating concrete or brick patios, driveways, and balconies to prevent the penetration of water while still allowing the surface to breath. Clear seal 5000 is a non-elastomeric sealer designed to shed water that is not under hydrostatic pressure. Clear Seal 5000 is not designed to resist the hydrostatic pressure of standing or puddled water. Clear Seal 5000 is very durable and UV resistant.

COMPOSITION & MATERIALS

Clear Seal 5000 is a cold applied, penetrating sealer designed to resist water penetration into concrete, concrete masonry, brick, stone and other porous surfaces. It is a single component

liquid applied thermoplastic. Clear Seal 5000 is breathable and non-elastomeric. Clear Seal 5000 is solvent based with a VOC content of <600g/l.

4. Technical Data See Table

5. Installation

GENERAL

Read and carefully follow the instructions contained on this spec sheet as well as in the most current Manufacturer's Guide Specifications.

SURFACE PREPARATION

A clean, dry, smooth surface is required. New concrete should be allowed to set until all of the free water is evaporated off of the surface. Surface should be free of water, frost or ice. No particular curing time is required before applying Clear Seal 5000, however, usually waiting 72 to 96 hours is adequate to ensure the surface pores are free of moveable water. Concrete surfaces should have a minimum surface pull off strength of 175 psi. Existing concrete surfaces must be thoroughly cleaned and degreased prior to application. All previous coatings must be removed.

Concrete, concrete masonry, brick and other surfaces should be dry, free of surface voids, honeycombed concrete, cracks, mortar smears, dirt and form release agents that will interfere with adhesion. Surface defects such as cracks, holes or

cavities should be filled and finished flush with a Portland cement grout or concrete. Voids in surfaces are to be filled to create a smooth, slightly porous surface. Clean all surfaces to remove dirt, mud, debris, dust, laitance, etc.

PRIMING

No primer is recommended. For best results Clear Seal 5000 should be applied directly to sound concrete surfaces.

MEMBRANE APPLICATION

Clear Seal 5000 can be applied in one or more coats. Allow 8-24 hours drying time between coats. Ambient temperature, humidity and wind or air movement conditions dictate exact time. Wet application thickness shall be about 10 mils, with an application rate of 100-165 square feet per gallon. The total Dry mil thickness of all coats should be at least 3 mils. Brush, roller or airless sprayer with .015" spray tip or larger can apply Clear Seal 5000. Sprayed on coating should be back-rolled to achieve maximum consistency of coverage and adhesion. Use of an airless sprayer with at least 2000 p.s.i. stall pressure is recommended. Rolling should be accomplished with a new 3/16-5/8 inch nap roller.

Inspect all surfaces for complete, continuous and consistent coverage. Re-apply material until complete coverage is accomplished. Surface will have a bright finish after application

PROTECTION.

Clear Seal 5000 is quite resistant to U.V. Re-coating may be necessary for coating applied to UV exposed surfaces every 7-10 years.

SAFETY

Clear Seal 5000 liquid and vapors are flammable. When applying Clear Seal 5000, the work areas shall be well ventilated and restricted to only applicators. The following safety precautions must be observed.

- Smoking and introduction of flames, sparks, electric arcs, etc. shall not be allowed.
- Applicators shall wear a NIOSH approved disposable organic vapor respirator.
- A working fire extinguisher, type ABC, shall be available in all vehicles, near truck doors and in the work area.
- All trucks, barrels and spray equipment shall be grounded.

MEMBRANE REPAIR

Repair of Clear Seal 5000 coating is simply a matter of thoroughly cleaning and drying

the damaged area and re-coating. Clear Seal 5000 will bond to itself without any elaborate surface preparation.

BACKFILL:

Clear Seal 5000 should be allowed to dry 24-48 hours after the final coat before backfilling or putting the structure into service. Ambient temperature, humidity and wind or air movement conditions will dictate exact time.

STORAGE

Clear Seal 5000 is to be carefully stored according to the requirements of local authorities. Protect containers of product from water, sparks, flames, excessive heat and poor ventilation.

Containers of Clear Seal 5000 should be stored out of direct sunlight and in temperatures between -10 and 100 degrees F. For best results Clear Seal 5000 should be stored in temperatures above 50 degrees F. immediately prior to application. This will help to reduce the material viscosity to a level that will allow the material to be sprayed more easily.

6. Availability & Cost

AVAILABILITY

Clear Seal 5000 Coatings are available through a network of Distributors, Manufacturer's Representatives and Qualified Installer. Contact Protective Coatings Technology, Inc. for information and the nearest representative or distributor.

COST

Contact Protective Coatings Technology, Inc. or your nearest Representative or Distributor for pricing information.

7. Warranty

All PCT, Inc. products are warranted to be free of manufacturer's defects for a period of 2 year. Contact Protective Coatings Technology, Inc. for further information and extended warranties.

8. Technical Services

Technical information and advice are available from Protective Coatings Technology, Inc. as well as through your nearest manufacturer's representative or Distributor.

POLY-WALL CLEAR SEAL 5000		
PROPERTY	TEST PROCEDURE	TYPICAL VALUE
CATEGORY 1 40 C.F.R.§ 59401 "WATERPROOFING SEALERS AND TREATMENTS		<600 G/L VOC