



Waterproofing Concrete/Masonry Sealer

Low Voc

1. Product Name

PRO 2000 Low Voc

2. Manufacturer

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

3. Product Description

BASIC USE

PRO 2000 Low VOC is designed for exclusive use on concrete and concrete masonry surfaces to provide resistance against water as well as protect the surface from other chemical intrusion. Typical application includes coating exterior foundation walls. For superior moisture control, coating of the interior and exterior foundation walls is recommended. The durability as well as water and chemical resistance of PRO 2000 Low VOC suggests other uses.

PRO 2000 Low VOC is an attractive gray color with a matte or flat finish. Its superior UV resistance allow it to be used on both exposed and unexposed portions of foundation walls. Coating foundation walls all of the way to the top provides a unique ability to protect against moisture from rain water, irrigation, melting snow, as well as, typical below grade moisture. PRO 2000 Low VOC's superior adhesion allows for both positive and negative foundation wall application.

COMPOSITION & MATERIALS

PRO 2000 Low VOC is a patented, single component, cold applied, thermoplastic coating designed to dampproof and protect concrete and concrete masonry surfaces. PRO 2000 Low VOC is non-breathable and non-elastomeric. PRO 2000 Low VOC is solvent based with a VOC content of <400g/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, 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. Concrete surfaces should have a minimum surface pull off strength of 175 psi. Existing concrete surfaces must be thoroughly cleaned and de-greased prior to application. All previous coatings must be removed.

Concrete and concrete masonry units should be dry, free of surface voids, honeycombed concrete, cracks, mortar smears, dirt and form release agents that will interfere with adhesion. Footing should be scraped and cleared of mortar droppings and other dirt and debris. 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. For concrete walls all interior and exterior ties need to be removed prior to application of PRO 2000 Low VOC.

PRIMING

No primer is recommended. For best results PRO 2000 Low VOC should be applied directly to sound concrete surfaces.

MEMBRANE APPLICATION

PRO 2000 Low VOC should be applied in one coat. PRO 2000 Low VOC should be applied at a rate of 50-80 square feet per gallon inversely related to porosity of wall surface. The total Dry mil thickness should be 8-14 mils. Coating should be sprayed to achieve a continuous coating at the desired mil thickness. Use of an airless sprayer with a 4000 p.s.i. stall pressure and a .035" reversible tip is recommended.

Inspect all surfaces for complete, continuous and consistent coverage. Re-apply material until complete coverage is accomplished.

PROTECTION

For foundations deeper than 9 feet protection board is required. For foundations less than 9 feet no protection board is necessary when using clean fill and adequate coating drying time has been allowed.

PRO 2000 Low VOC will be adversely affected by prolonged or constant UV exposure. Re-coating may be necessary for coating applied to UV exposed surfaces every 5 years.

SAFETY

PRO 2000 Low VOC liquid and vapors are flammable. When applying PRO 2000 Low VOC, 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 PRO 2000 Low VOC is simply a matter of thoroughly cleaning and drying the damaged area and re-coating. PRO 2000 Low VOC will bond to itself

without any elaborate surface preparation.

BACKFILL:

PRO 2000 Low VOC should be allowed to dry 4-24 hours after the final coat before backfilling or putting the structure into service. Ambient temperature, coating thickness, humidity and wind or air movement conditions will dictate exact time.

STORAGE

PRO 2000 Low VOC 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 PRO 2000 Low VOC should be stored out of direct sunlight and in temperatures between -10 and 100 degrees F. For best results PRO 2000 Low VOC should be at a temperature above 50 degrees F. prior to application. This will help to reduce the material viscosity to a level that will allow the material to be sprayed more consistently.

6. Availability & Cost

AVAILABILITY

PRO 2000 Low VOC is available through a network of Distributors, Manufacturer's Representatives and Qualified Installers. 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 Five (5) years. 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 PRO 2000 Low VOC		
PROPERTY	TEST PROCEDURE	TYPICAL VALUE
ADHESION	ASTM C 836-89a	Exceeds
PERMEANCE	ASTM E 96, Method B	0.450 grains/sq.ft./hr./in. Hg. at 80 deg F.
PERMEABILITY	ASTM E 96, Method B	.004 perm*inch dry mil
RESISTANCE TO HYDROSTATIC HEAD		100 ft. of water
WATER ABSORPTION	ASTM D 95	Less than 1% weight
METABOLITES	GSA-PBS 07115	Unaffected
RESISTANCE TO DEGRADATION	ASTM E 154	Excellent
CATEGORY "WATERPROOFING CONCRETE/MASONRY SEALER		<400G/L VOC

