



Premium Building Products
That Protect

Protecto Seal Vapor Block Spray Concrete Sealer

PRODUCT DATA SHEET



1. PRODUCT NAME

Protecto Seal Vapor Block
Spray Concrete Sealer

2. MANUFACTURER

Protecto Wrap Co.
1955 South Cherokee St.
Denver, CO 80223
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www.protectowrap.com

3. PRODUCT DESCRIPTION

Protecto Seal Vapor Block is a Zero VOC spray applied penetrating sealer formulated for deep penetration into new and existing concrete surface. Once applied, it protects against through slab moisture vapor emissions to provide a suitable substrate for all Protecto Wrap Flooring Underlayments, the Protecto Deck System, Protecto Bridge Deck membranes, and moisture sensitive flooring. Vapor Block will prevent or reduce hydrostatic head pressure or moisture

vapor rates up to 50 Lbs. / 1000 sq. ft. / 24 hours and RH up to 100% to acceptable levels for underlayments, floor coverings and coatings. See Technical Letter, “Water Vapor Transmission Mitigation” at www.protectowrap.com for more information.

Additionally, Protecto Seal Vapor Block Penetrating Sealer can be used as a capillary break, Seal Concrete Roof Tile, help prevent mold and algae growth, protect driveways from salt damage and reduce coverage time over Green Concrete (can be applied in as little as 4 days after concrete pour). For Basements it provides negative side waterproofing for weeping walls.

The environmentally friendly penetrating sealer seeps approximately 1” below the concrete surface and reduces permeability in the concrete. The deep penetration of the sealer allows for surface repairs to occur after application (i.e. – grinding of high spots) without impacting the integrity of the seal.

Packaging

Protecto Seal Vapor Block – Spray Concrete Sealer

- 1 gallon jugs – 4 gallons per case
- 5 gallon pails

Coverage

Protecto Seal Vapor Block – Spray Concrete Sealer

- Sealer comes pre-mixed ready to use
 - 1 gallon covers up to 200 sq ft. for the 3 coat application (2.5 sq m per liter)

Shelf Life

Protecto Seal Vapor Block has an indefinite Shelf Life when stored in dry secured conditions out of the sunlight. Unused portions can be saved and used later by simply reapplying the top of the container. Note: PROTECT FROM FREEZING.

Uses

- Penetrates concrete surface to reduce Moisture Vapor Emissions to protect flooring.
- Reduces permeability of concrete to allow for use as capillary break on foundation footings.
- Seals Concrete Roof Tiles
- Helps prevent Mold and Algae growth
- Reduces coverage time over Green Concrete

Limitations

- Not recommended for grout sealing.
- Do not allow Protecto Seal Vapor Block to come in contact with glass, metal, porcelain tile or ceramic tile. Vapor Block left to dry on the surface may result in streaking or whiting.
- Do not apply to areas with standing water.
- If the surface is to be power washed before application, ensure that it is left to dry for a minimum of 24hrs before applying the Protecto Seal Vapor block.

4. TECHNICAL DATA

Property	Information
Color	Clear
Dry Time	@70 degrees F / 50% Humidity: 20 minutes
Foot Traffic	1 hour upon completion of final coat

Vehicular Traffic	2 hours upon completion of final coat
Coverage	Up to 200 sf per gallon for 3 coat application
Application Temperature	34°F to 100°F (7°C to 49°C)
Operating Temperature	-20°F to 180°F (-29°C to 82°C)
Storage Temperature	Between 40 Degrees F and 85 Degrees F (4.4 C – 29.44 C)
Warranty	Standard PWC 10 Year Product Warranty
Abrasion Resistance	Untreated: 4.19, Treated: 11.0 ASTM C241
Moisture Vapor Transmission	0.09 Perms ASTM E96
Moisture Transmission	Pass ASTM D4263 Plastic Sheet Method
Adhesion	Pass, no failure ASTM D3359-23
Freeze/Thaw Durability	Pass AASHTO T161
VOCs	0
Shelf Life	Unlimited

5. INSTALLATION

General Notes:

- Easy Airless Sprayer Application
- Can be applied to new or existing concrete surfaces without the need to abrade or shotblast (unless needed for removal of existing coatings).
- Can be applied to Interior or Exterior applications.
- Can be applied over Gypcrete and over or prior to installation of self-level.
- All surface preparations and patching should be completed prior to application of membrane.
- Application should be continuous. Apply a small test area to confirm penetration. Remove all coatings or substances that could interfere with absorption before application

(i.e. curing compounds, sealants, dirt, surface oil, efflorescence, paint, etc.).

- Apply Protecto Seal Vapor Block to a clean and dry surface and protect from rain for at least 12 hours after the last coat has dried.
- Protect objects and areas not to be treated from spillage or overspray.
- Clean equipment with warm soapy water.
- Compatible with Protecto Wrap water based primers and adhesives once dried. Also compatible with paints and other water based coatings.

Installation Steps

1. Apply Protecto Seal Vapor Block in three separate sprays on mist coats allowing time to dry between coats.
2. Lightly apply the first coat uniformly wetting the surface with an airless or tank-type sprayer. DO NOT allow puddling or flooding the surface.
3. Immediately after the first coat is dry, apply a second coat same as noted above. To expedite the process the use of fans is encouraged for interior applications. Drying time will vary from 10 to 20 minutes depending on temperature and environment. Note: "Dry" means dry to the touch.
4. Apply third coat the same as noted above and allow 1 hour to dry prior to opening area to foot traffic and two hours for equipment or vehicular traffic.
5. STOP application if at any time a "Sheen" or "Whiting" is observed. Note: The third coat will dry significantly slower than the previous coats. Fan ventilation will help speed drying time.
6. Once the third coat has dried for two hours, installation of adhesives, coatings or Protecto Wrap Underlayments can begin. Follow Installation Instructions for the Flooring Underlayment being installed. Note: Whisper Mat LVT does not require the use of Primer.

6. AVAILABILITY AND COST

Protecto Seal Vapor Block is manufactured in Denver, CO; it is competitively priced and available worldwide through a network of Protecto Wrap distributors. For detailed product information or to find a local representative or distributor, visit www.protectowrap.com or contact Protecto Wrap Company corporate office for information at 1-800-759-9727.

7. WARRANTY

Protecto Seal Vapor Block is warranted to be free of defects in manufacture for a period of 10 years. Protecto Wrap assumes no warranty as to the installation of its products.

8. MAINTENANCE

None required.

9. TECHNICAL SERVICES

For technical assistance contact technicalsupport@protectowrap.com

10. FILING SYSTEM

Additional product information is available on our website at www.protectowrap.com or contact our corporate office at (800) 759-9727.