

1. PRODUCT NAME

MS-225

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PROFLEX® MS-225 Moisture Sealer is a unique one-part, multi-functional moisture barrier that dries to a clear film that is alkali and water-resistant. It is designed for use on interior porous concrete substrates as a penetrating and film-forming hydrophobic (water repelling) barrier to protect flooring installations against moisture vapor transmission rates of up to 15 lbs. Per 1000 sq. ft. per 24 hours and in-situ Relative Humidity (RH) moisture readings up to 95%. The multi-functionality of the product results from the barrier coating ability to prime porous concrete and eliminate dust, and to neutralize surface alkalinity by forming a barrier coating that provides an acceptable pH level and block migration of alkaline salts through the slab.)

Installation Note: Adhesives applied over non-porous substrates require extended drying time. With the application of MS-225, concrete subfloors are rendered non-porous and should be treated as such. MS-225 is recommended and warranted for 'on' and 'above' grades of concrete floors. MS-225 is not guaranteed or recommended for use where hydrostatic pressure exists, and must not be used on below-grade subfloors. Use MS-225 Moisture Sealer in conjunction with an appropriate flooring adhesive for permanent protection from moisture related adhesive bond failures.

Uses

- Primer for PROFLEX® elastomeric membranes in place to PR-Series where slabs exceed 5#/1000 24hr
- Moisture control for PROFLEX® PS-100, PS-75, PS-76, PS-77, PS-88, DB-60 and RCU Adhesive when substrate exceeds product moisture limitations
- When installing hardwood floors over the MS-225 you must use either, PWA-400, or PWA-700.
- Moisture control for laminate floating floor installations
- Moisture control for carpet installations

Advantages

- Reduces Moisture Vapor transmission up to 15 lbs or 95% RH
- Seals dusty substrates, reduces porosity of Gypsum concrete
- Ideal for fast track projects where concrete slabs are not fully cured

Approved Sub Floors

MS-225 is recommended and warranted for 'on' and 'above' grades of concrete floors. MS-225 is not guaranteed or recommended for use where hydrostatic pressure exists, and must not be used on below-grade subfloors. Use MS-225 in conjunction with an appropriate PROFLEX® flooring adhesive for permanent protection from moisture related adhesive bond failures.

Packaging:

4 Gallon (15.48l) Container, 48 Containers/ Pallet

Coverage:

3/8" (10mm) Short Nap Roller : Up to 250 sq. ft. /per gallon

Shelf Life

12 Months in original; unopened container above 55°F

Storage

Containers must be kept tightly closed when not in use. This product should be stored at temperatures between 50° and 90°F (15-32°C). Storage conditions outside this range may cause product viscosity to increase.

CAUTION

DO NOT take internally. If swallowed, DO NOT induce vomitings. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN.

4. TECHNICAL DATA

Appearance	Off-white semi transparent coat when dry.
Cure Time	Approximately 1 - 2 hours
Shelf Life	One year in unopened container at 70°F (21°C)
Other Features	Waterproof when cured, non-flammable. Freeze/thaw stable to 10°F (-12°C)

5. INSTALLATION

Substrate Preparation

Prior to application of MS-225, a moisture vapor transmission (MVT) test must be performed to determine the MVT of the concrete, using an anhydrous calcium chloride or in-situ RH test method. The initial MVT level must be below 15 lbs./1000sq.ft./24hrs. Or 95% in-situ Relative Humidity (RH) for a two-coat application. For a single coat application, the initial MVT must be below 10lbs./1000sq.ft./24hrs. or 93% in-situ Relative Humidity (RH). The concrete substrate must be at least 45 days old and 2,500 PSI or greater. The slab must be porous so the sealer can penetrate the surface and create a moisture barrier within the concrete. The floor must be free of all foreign substances, including old adhesives, floor sealers, curing compounds, wall plaster, cleaning compounds, wax, oil, dirt, or any other substance that would interfere with or block the absorption of the sealer into the concrete surface. For best results, MS-225 should be applied directly to porous concrete but may be applied over moisture resistant cementitious patch. Follow the patch manufacturer's recommendations for proper use of their products.

The area of application must be in an enclosed building with operational HVAC system. Acclimate the sealer and area of application at a temperature of 65-95°F (18-43°C), and at a relative humidity of 30%-60% for 72 hours before, during, and after installation.

All cracks in the concrete must be completely filled and sealed using a polymer fortified cementitious patching and leveling compound. MS-225 will not prevent water from coming up through cracks in the concrete substrate. Follow the manufacturer's directions for waterproofing crack sealers and cementitious patching and leveling compounds.

Instructions

After the concrete has been properly prepared, begin the application of the sealer. To ensure proper coverage over the entire floor, divide the floor into 250 sq. ft. sections per coat and apply one gallon of MS-225 per section. Pour the sealer into a paint tray and spread with a $\frac{3}{8}$ " (10mm) short nap paint roller. Distribute the sealer evenly on the concrete putting slight pressure on the roller. Rolling and cross-rolling several times may be necessary to achieve a thin uniform film over the concrete.

MS-225 must be allowed to dry completely to a hard coating. Allow a minimum of 1 hour for complete cure between coats. Jobsite conditions may vary and may extend drying time of the sealer. Do not over-apply sealer. Do not allow sealer to puddle. Immediately roll and cross-roll any puddles to spread any excess sealer. Concrete floors can vary in porosity. Applying too much sealer will interfere with its curing, creating soft spots that will require longer cure times. These soft spots should be scraped off with a flat trowel and allowed to cure to a hard set. Areas that absorb the sealer very quickly are more porous, resulting in dull, non-shiny appearance.

NOTE: Due to the many additives being used in or on concrete slabs, it is critical that a bond test be performed. Some treatments will repel any sealer or adhesive. Once cured, any pinholes or bubbles in the product film must be filled with MS-225 prior to flooring installation.

Clean-up: To clean-up while wet, use soapy water. Dry residues may require the use of a solvent remover (PROFLEX® UAR Adhesive Remover). Containers must be kept tightly closed when not in use.

6. AVAILABILITY

PROFLEX® Products are available nationwide.

To locate PROFLEX® products in your area, please contact:

Phone: 877-577-6353

Website: www.proflex.us

7. WARRANTY

Limitations

When using other than PROFLEX® products in conjunction with PROFLEX® primers, sealers, leveling compounds, or adhesives, PROFLEX® denies any and all responsibility for any ensuing problems and/or damages without prior written authorization from PROFLEX®. MS-225 is not suitable in conditions where there is a missing or compromised vapor barrier causing hydrostatic pressure (see warranty for full details). Do not dilute primer/sealer or mix with other products. In case of accident, injury, spill or exposure, see SDS sheet for information. Consult technical data sheet at www.proflex.us for updated information. Sealer will not prevent moisture damages from hydrostatic pressure, underground springs, damage water pipes, sinks, ice makers, faulty plumbing, flooding, etc.

8. MAINTENANCE

Non-applicable.

9. TECHNICAL SERVICES

Information is available by calling the Technical Support

Toll Free: 877-577-6353

Fax: 863-937-9624

Technical and safety literature

To acquire technical and safety literature, please visit our website www.proflex.us

10. FILING SYSTEM

Division 9