

1. PRODUCT NAME

MB25 (Moisture Barrier 25)

2. MANUFACTURER

PROFLEX® Products, Inc.
2826 Broadway Center Blvd
Brandon, Florida 33510
Telephone: 863-937-9623
Toll Free: 877-577-6353
Fax: 863-937-9624
Internet: www.proflex.us



3. PRODUCT DESCRIPTION

PROFLEX® MB25 is a two component, epoxy reaction resin based sealer for professional flooring installation over damp sub floors. MB25 will mitigate moisture pressure from a humid sub floor to an acceptable level for any flooring installation. It will bridge minor cracks in the subfloor. MB-25 spreads easily and creates a dust free surface ready for safe installation of flooring.

<p>Advantages:</p> <ul style="list-style-type: none">● Moisture barrier up to 25# or 100% RH● Contains no water, solvents or VOCs● Helps contribute to LEED Credits● Same day installations - 6 hour cure time● No need to shot blast prior to application● Easy to mix & apply● Easy clean-up when wet	<p>Suitable for use with:</p> <ul style="list-style-type: none">● Multi-Ply Engineered Plank● Solid Planks● Bamboo● Plywood● LVT/LVP● Sheet Vinyl● Carpet Tile● Cork & Rubber Flooring● Tile● PROFLEX® Peel & Stick Membranes
--	---

Packaging

Component A: 1 US Gallon

Component B: .79 US Gallon

Approved Trowels and Spread Rate

$\frac{3}{8}$ " nap roller, squeegee, or a 1/16" x 1/16" x 1/16" notched trowel. Maximum recommended coverage is 300 - 350 sq. ft. per mixed unit.

4. TECHNICAL DATA

<p>Shelf Life 12 Months in original; unopened container</p> <p>Drying Time before Installation 6 hour cure time, same day installation</p> <p>Storage Above 14°F</p>	<p>Climate Conditions 55° - 90° F</p> <p>Pot Life approx. 25 min @ 70 °F (21 °C)</p>
---	--

5. INSTALLATION

MIXING INSTRUCTIONS

Pour the contents of Component B into the Component A container and mix thoroughly using a low speed mixer (e.g. 1/2" drill and paint or plaster paddle). The material should be mixed completely, ensuring that the material is thoroughly mixed to a homogeneous state by scraping the sides, bottom and the area where the sides meet the bottom of the container. When well mixed, color will become a uniform green without streaks. Failure to do so can result in uncured sections of material or altered properties of the cured material. After mixing, pour entire mixture directly onto the concrete and apply immediately and evenly to the concrete subfloor. The portions are premeasured to assure optimal performance. Do not modify or estimate.

PROFLEX® MOISTURE CONTROL SYSTEM PROPERTIES

- Shelf Life for Unopened Container: 12 months
- Pot Life (Working Time): 20-25 minutes under adiabatic conditions
- Color: Component A: Blue Component B: Yellow
- Color, Mixed: Green

CONCRETE SURFACE PREPARATIONS

All concrete substrates must be clean, dry, structurally sound, free of voids and cracks, properly cured, free of dirt, oil, paint, old adhesives, wax, sealer, and curing agents. PROFLEX® Moisture Barrier 25 (MB-25) can be applied over asphalt cutback adhesive residue as long as the adhesive ridges and raised residue have been completely removed from the subfloor with only minor stains remaining. All soft, loose and raised residue must be removed before encapsulation begins. All adhesive residue must be hard, firm and well bonded.

Scouring with 20 grit or 3 grit sandpaper will remove most compounds. After scouring, vacuum all loose materials from the surface. Concrete must be flat to a tolerance of 3/16" in 10' radius. Grinding concrete substrate is recommended over using filler compounds. Concrete should be ground prior to the application of PROFLEX® MB-25. Patching with approved material should be completed after the application of PROFLEX® MB-25. Cracks larger than 1/8" in width, must be filled prior to installing MB-25. For all new construction, PROFLEX® advises adherence to ASTM E1745 Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil, or Granular Fill Under Concrete Slabs.

In all cases, the surface temperature of the prepared concrete slab must be at least 5°F (2.8°C) above the dew point to avoid condensation on the concrete surface as the applied MB-25 hardens. This must be maintained for 6 hours, which is the cure time of the product.

MOISTURE TESTING AND LIMITATIONS

Concrete should be at least 7 days old. Inspect the concrete before installing flooring over it. First inspect for any wetness at the base of the drywall or for visible signs of moisture on the concrete. Second, test for moisture. Use a Calcium Chloride Test or Relative Humidity Test for reliable concrete moisture testing. PROFLEX® MB-25 should not be used on concrete with moisture content greater than 25 lbs. per 1,000 sq. ft. over 24 hours, per the ASTM F1869 Calcium Chloride Method Test or that exceeds 100% Relative Humidity (RH), per the ASTM F2170 Relative Humidity Test. Contact PROFLEX® technical services (877-577-6353) regarding concrete subfloors with a moisture vapor emissions exceeding these values.

APPLICATION DIRECTIONS

Measure and mark out area to be covered. Do not apply PROFLEX® MB-25 Concrete Moisture Control System when the temperature is below 65°F. Do not apply MB-25 if temperatures exceed 100°F as this will result in the product curing too quickly and possibly not bonding to the concrete. Apply PROFLEX® MB-25 with a 3/8" nap roller, squeegee or a 1/16" x 1/16" x 1/16" notched trowel, immediately after mixing. Maximum recommended coverage is 300-350 sq. ft per mixed unit. Avoid excess pressure on the roller so that an adequate amount of material will be distributed onto the concrete. To even out coverage, back rolling is recommended. Do not extend the coverage, as this will void the warranty.

CURING TIME

Flooring and or approved patching material may be installed over PROFLEX® MB-25 Concrete Moisture Control System after 6 hours. If the flooring installation is delayed beyond 48 hours, the epoxy should be cleaned thoroughly and not contain any debris. Do not use as a finish wear layer.

CLEAN UP

Uncured PROFLEX® MB-25 Concrete Moisture Control System and tools can be cleaned with mineral Spirits or an epoxy residue cleaner. Dispose of in accordance with local, state and federal regulations.

HANDLING AND STORAGE

Please refer to the Safety Data Sheet (SDS) when determining the proper precautions to be taken. Jobsite temperature should be between 55 and 90 degrees. Do not store in a very hot area before using. Warning: Component B is Corrosive. Refer to SDS for Proper Handling.

SAFETY DATA

KEEP AWAY FROM CHILDREN. For professional use only. For your protection, wear splash goggles and rubber gloves. In case of poor ventilation, use OSHA approved organic vapor mask. HEALTH HAZARD DATA Eye Contact: May cause severe irritation. Inhalation: May cause irritation to nose, throat or lungs. Skin: May cause irritation. Ingestion: May be harmful if swallowed. FIRST AID Splash (eyes): Flush immediately with lots of running water for at least 15 minutes. Consult physician. Splash (skin): Wash affected areas with soap and water. Ingestion: Consult physician. Inhalation: Move to fresh air.

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

WARRANTY STATEMENT

Resilient Floors: PROFLEX® warrants to its direct purchaser for resale that, for ten years from the date of installation for residential applications, or three years from the date of installation for commercial applications, luxury vinyl tile/plank, fiberglass back sheet vinyl, sheet vinyl (homogeneous/heterogeneous), carpet tile and cork/rubber flooring products covered by a valid subfloor moisture warranty that are installed with approved PROFLEX® pressure sensitive resilient water-based flooring adhesives on a concrete subfloor that has been treated with PROFLEX® MB-25 when recommended in writing by the flooring manufacturer for glue-down installations, will not release from the subfloor due to adhesive bond failure resulting from moisture vapor transmission from the concrete subfloor.

Solid Wood/Bamboo Floors: PROFLEX® warrants to its direct purchaser for resale that, for ten years from the date of installation for residential applications, or three years from the date of installation for commercial applications, bamboo (vertical and horizontal only) flooring up to 5/8" in thickness and solids wood planks covered by a valid subfloor moisture warranty that are installed with approved PROFLEX® wood flooring adhesives and PROFLEX® MB-25 when recommended in writing by the wood flooring manufacturer for glue-down installations, will be free of the following moisture related problems due to moisture vapor transmission from the concrete subfloor: cupping, buckling and release of bond from the subfloor.

Engineered Wood Floors: PROFLEX® warrants to its direct purchaser for resale that, for ten years from the date of installation for residential applications, or three years from the date of installation for commercial applications, engineered wood flooring products covered by a valid subfloor moisture warranty that are installed with approved PROFLEX® wood flooring adhesives on a concrete subfloor that has been treated with PROFLEX® MB-25 when recommended in writing by the wood flooring manufacturer for glue-down installations, will be free of the following moisture related problems due to moisture vapor transmission from the concrete subfloor: cupping, buckling and release of bond from the subfloor.

If the purchaser believes that the above warranty has been breached, Purchaser must contact PROFLEX® at 877-577-6353. Purchaser must provide its name, address, telephone number, address of the installed Product, name of specific product used, confirmation of date of product purchase, name and address of installer of the Product, results of calcium chloride moisture test performed prior to installation and a statement of complaint regarding the product. At PROFLEX® request, Purchaser shall arrange access to the premises where the Product was installed to allow PROFLEX® or its agent to inspect the installation and shall make available, reasonable amounts of the affected flooring and /or Product for testing and inspection. PROFLEX® may require verification of existing subfloor moisture conditions at the affected site by way of a calcium chloride moisture test. In the event PROFLEX® or its agent determines that the above warranty has been breached, upon PROFLEX® request, Purchaser will obtain and submit a written estimate from a reputable flooring installer regarding the cost of repairs. PROFLEX® will approve the estimate and authorize Purchaser to proceed with the repairs by the approved installer. PROFLEX® reserves the right to refuse any estimate and to identify acceptable installers. It is a condition of obtaining warranty performance that cost of repairs be approved in writing by PROFLEX® prior to the start of the repairs. This warranty is to the original purchaser and is non-transferable. PROFLEX® Products will repair or replace the affected flooring one time only. This warranty only covers the cost of materials and labor. In addition, PROFLEX® warrants that the (product) PROFLEX® MB-25 will not promote or aid in the growth of mold or mildew.

EXCLUSIONS FROM COVERAGE

The warranty does not apply if: (1) all instructions regarding preparation for installation and the use of all approved flooring products, PROFLEX® Flooring Adhesives and PROFLEX® MB-25 are not followed, when recommended in writing by the flooring manufacturer for glue-down installations are not followed; (2) PROFLEX® MB-25 is used for below grade installation in the presence of excessive moisture and alkalinity; (3) proper job site pre-inspection, installation and maintenance procedures are not followed; (4) the concrete subfloor is not clean, flat, free of debris and contaminants and structurally sound; (5) the concrete subfloor is not free of

visible moisture including darkening of the concrete, standing water and condensation, and/or moisture content of the concrete becomes greater than 25 lbs. per 1,000 sq. ft. over 24 hours, per ASTM F1869 Calcium Chloride Moisture Test or 100% Relative Humidity (RH), per the ASTM F2170 Relative Humidity Test.; (6) the property of the installation does not have proper drainage; (7) moisture related problems are related to flooding, leakage, topical moisture, improper ventilation, improper maintenance, or cracks in the subfloor or foundation; (8) problems arise due to defects in the flooring, or misuse or abuse. In addition, the product is not intended for mold or mildew abatement.(9) PROFLEX® flooring adhesives are not used in accordance with PROFLEX®'s most recent installation instructions for the specific adhesive used. Refer to detailed instructions on the adhesive container for each PROFLEX® adhesive to determine the appropriate suitability for installing specific flooring products.

LIMITATIONS

To the extent permitted by law, the obligations set forth above are PROFLEX® sole obligations and the purchaser's exclusive remedies and, except as set forth above, PROFLEX® makes no other warranties concerning the Product. PROFLEX® DISCLAIMS AND EXCLUDES ALL OTHER EXPRESS WARRANTIES AND ALL IMPLIED WARRANTIES INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE CONCERNING THE PRODUCT. PROFLEX® obligations shall be Purchaser's sole and exclusive remedy against PROFLEX® for any liability with respect to the Product whether any claim for recovery is based upon or arises out of the theories of contract, negligence, tort (including strict liability) or otherwise and that IN NO EVENT SHALL PROFLEX® BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, including, without limitation, loss of income, loss of time, loss of sales, claims asserted by Purchaser's customers, injury to personal property or injury to any person. This warranty is made only to the original Purchaser and is not transferable. As buyer's sole remedy, in the event of a valid claim under this Warranty, PROFLEX® will pay for the reasonable cost of materials and labor, on a square foot basis, necessary to repair or replace the portion of the original installation that is proven to be defective. Under no circumstance will PROFLEX® be liable for direct, incidental, consequential, special, economic, or other damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply.

8. MAINTENANCE

Non-applicable.

9. TECHNICAL SERVICES

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