

Technical Data Sheet
WAKOL MS 330 Moisture Barrier



Pursuing excellence unites



- Fast Curing
- Solvent free, water free
- Not affected by water when cured
- No mixing required
- Creates a neutral pH surface
- Easy to apply
- Excellent coverage



Specifications

Raw material base: Modified Silane Polymer

Type: 1 component modified silane moisture barrier, roller applied penetrating moisture mitigation system

Color: Blue

Odor: None to negligible

VOC Content: 0 g/l US regulatory

Working Time: 20-30 minutes (depending on humidity)

Cure Time: 1 hour (depending on humidity)

Cleaning agent: WAKOL RT 5960 Cleaning Towels or mineral spirits before product dries

Shelf Life: 12 months in unopened container at 70°F / 21°C, not below 40°F / 5°C

Freeze/thaw stable: Yes

Unit Size: 2.5 gal.

Unit Weight: 23.2 lbs. ea.

Units per pallet: 72 pieces

Item Number: WA-FL-161-L

Important Information

Jobsite conditions must meet the NWFA, ASTM, and/or RFCI Guidelines. Doors and windows must be installed and the HVAC running to simulate the living environment climate conditions at work site: 60°F to 75°F (15°C to 24°C), 40% to 75% relative humidity. Acclimate materials to acceptable jobsite conditions.

When WAKOL MS 330 Moisture Barrier is being used as a moisture barrier the concrete surface must be mechanically prepared using appropriate tools/equipment to achieve an absorbent state per ASTM F3191. To perform at its specified level as a moisture barrier WAKOL MS 330 Moisture Barrier must be able to penetrate the capillary structure of the concrete.

Concrete floors that have been chemically abated must be shot/bead blasted to help ensure no residue remains and the surface is absorbent per ASTM F3191.

WAKOL MS 330 Moisture Barrier can be used above grade, on grade, and below grade. Do not use on subfloors with excessive moisture or hydrostatic pressure.

Do not use WAKOL MS 330 Moisture Barrier on subfloors with hydrostatic pressure.

Recommended Use – On properly prepared absorbent and non-absorbent subfloors

- Commercial / Residential
- Concrete with excess residual moisture prior to installation of flooring
- As a moisture barrier over absorbent (per ASTM F3191) substrates
- As a primer/retarder on plywood and moisture sensitive substrates (wood, gypsum, etc.)
- Solidifying soft subfloor surfaces (including gypsum and lightweight concrete)
- "Green" concrete slabs (less than 28 days old)
- Encapsulate non-water-soluble adhesive residue

Application with WAKOL MS Special Roller or WAKOL A2 Trowel

Will block moisture in concrete slabs up to 12 lbs. /1,000 sqft / 24 hour (ASTM F1869) or up to 95% rH (ASTM F2170)

- Over Radiant Heat: Can also be used to block moisture up to 6 lbs. / 1,000 sqft / 24 hours (ASTM F1869) or up to 85% rH (ASTM F2170) over radiant heat

Application with LOBA Roller Microfiber 60-80 or 1/4" short nap roller

- As a primer over absorbent and non-absorbent substrates

Subfloors / Substrates

All surfaces must meet the NWFA, ASTM, and/or RFCI Guidelines. All concrete surfaces must meet ASTM F710 standards. They must be permanently dry, smooth, and flat. They must be structurally sound, solid, well fastened, clean and free from dust, oil, grease, paint, wax, old adhesive. Mechanically remove parting compounds, surface hardeners and sealers which are known to interfere with the bond of the product to concrete, as well as loosely bonded toppings, primers or any other deleterious substances that may prevent or reduce adhesion.

Concrete

Concrete floors must be constructed, finished, and cured (minimum 30 - 60 days) in accordance with the American Concrete Institute (ACI) 302 "Guide for Concrete Floor and Slab Construction" (Class 2 or 4) with a minimum compressive strength of 3,500 psi (246 kg / cm²).

Application with WAKOL MS Special Roller or WAKOL A2 Trowel:

Will block moisture in concrete slabs up to 12 lbs. / 1,000 sqft / 24 hour (ASTM F1869) or up to 95% rH (ASTM F2170).

- Over Radiant Heat: Can also be used to block moisture up to 6 lbs. / 1,000 sqft / 24 hours (ASTM F1869) or up to 85% rH (ASTM F2170) over radiant heat

Application with LOBA Roller Microfiber 60-80 or 1/4" short nap roller:

- As a primer over absorbent and non-absorbent substrates

Gypsum (and other moisture sensitive substrates)

Gypsum underlayment must meet the minimum compressive strength requirements of the floor covering being installed. Loose, friable, or dusty gypsum can be consolidated/solidified by application of a single coat of WAKOL MS 330 Moisture Barrier.

- Apply one coat only to gypsum-based underlayment with LOBA Roller Microfiber 60-80 or 1/4" short nap roller (as a primer)

Wood subfloors / underlayment

OSB, plywood, particle board and wood planks which are approved from the manufacture as acceptable substrates for flooring installation. On wood subfloors (up to 20% moisture content) WAKOL MS 330 Moisture Barrier can be used as moisture "retarder" in a single coat application using the LOBA Roller Microfiber 60-80 or 1/4" short nap roller.

Terrazzo and ceramic tiles

Existing terrazzo and ceramic tiles must have full adhesion to the subfloor. Remove all residues of maintenance products and other materials that may inhibit a good adhesion. Abrade subfloor with 40 or 60 grit sandpaper to ensure a mechanical bond.

Leveling compounds

Rough surfaces must be treated with Wakol approved Leveling Compounds. Please check Technical Date Sheet for details. Alternative leveling compounds may be used if approved by the floor covering manufacturer.

Application and Coverage*

Shake WAKOL MS 330 Moisture Barrier well before use. Pour required material into a bucket.

WAKOL MS Special Roller (as a moisture barrier):

- First, apply the material with firm pressure to evenly wet the substrate
- Reload roller with material
- Apply evenly with light pressure to create a consistent layer of material
- Coverage Rate: approx. 260 sqft/gal.

WAKOL A2 Trowel (as a moisture barrier):

- Pour material directly onto substrate
- Apply evenly using the WAKOL A2 Trowel (avoid dry spots or puddling)
- Coverage Rate: 260 sq.ft./gal.

LOBA Roller Microfiber 60-80 (as a primer):

- Apply the material with firm pressure to evenly wet the substrate
- Avoid dry spots or puddling
- Coverage Rate: 400 sq.ft./gal.

Coverage is dependent on the surface structure and porosity of the substrates

The following adhesives are approved for direct glue down to WAKOL MS 330 Moisture Barrier:

- Wakol Modified Silane (MS) Adhesives (excluding WAKOL MS 228 Engineered Wood Flooring Adhesive, flexible)
- Wakol dry-setting Dispersion (D) Adhesives

Confirm compatibility with the Technical Data Sheet for each adhesive. Suitability may vary depending on the type of floor covering being installed.

Install flooring within 72 hours after WAKOL MS 330 Moisture Barrier is cured. If leveling of the subfloor is required, apply WAKOL D 3045 Special Primer on top of WAKOL MS 330 Moisture Barrier within 24 hours after WAKOL MS 330 Moisture Barrier is cured. Allow WAKOL D 3045 Special Primer to dry for approximately 1 hour prior to applying approved Wakol Leveling and Patching Compounds.

Technical Data Sheet
WAKOL MS 330 Moisture Barrier



Symbols



<https://www.wakol-usa.com/symbol>

Disclaimer

The responsibility of the suitability of Wakol products for each individual case cannot be assumed, as the manufacturer has no influence on the proper application of the product by the installer and/or contractor. The directions for use were established based on research, experience and tests believed reliable. Any liability on the part of the seller cannot be derived therefrom. Verbal information is subject to written confirmation.

All Wakol Technical Data Sheets can be found at www.loba-wakol.com.

This Technical Information of 11/15/2023 supersedes all previous versions.

For Technical support contact Loba-Wakol, LLC at 800.230.6456 (extension 2) or by e-mail at: technical@loba-wakol.com.