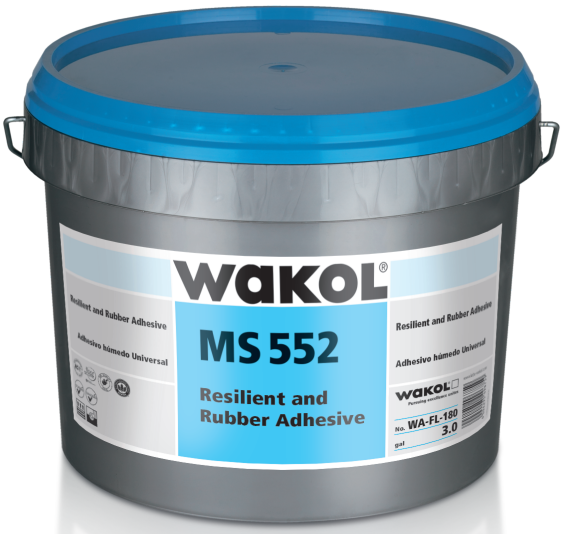
Technical Data Sheet

WAKOL MS 552 Resilient and Rubber Flooring Adhesive

Pursuing excellence unites



- Excellent ridge formation
- Excellent for topical moisture
- Not effected by water when cured
- Suitable for vertical application and heavy loads
- Long working time
- Solvent free, water free
- Very easy clean up
- Can be used directly over WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier
- Up to 100% rH** (See below for details)

Specifications

Raw material base: Modified Silane Polymer
Type: Single component, premium adhesive for resilient floor coverings
Color: Off White
Odor: None to negligible
VOC Content: 0 g/l US regulatory
Airing Time: 5-30 Minutes (depending on humidity and substrate absorbency)
Working Time: 10-35 minutes (depending on humidity)
Cure Time: Light foot traffic after 12 hours / Full traffic after 24 to 48 hours (depending on climate)
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: 3 gal.
Unit Weight: 30.6 lbs. ea.
Units per pallet: 44 pieces
Item Number: WA-FL-180-L

Loba-Wakol, LLC | 2732 HWY 74 W | Wadesboro, NC 28170 | T: 800.230.6456 | F: 704.527.5922 | www.loba-wakol.com

Technical Data Sheet

WAKOL MS 552 Resilient and Rubber Flooring Adhesive

Pursuing excellence unites

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.Exterior applications require the same temperature and relative humidity conditions

- Exterior applications require the same temperature and relative humidity conditions

If a moisture barrier or primer is needed prior to the installation with WAKOL MS 552 Resilient and Rubber Flooring Adhesive, use WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier exclusively.

WAKOL MS 552 Resilient and Rubber Flooring Adhesive can be used above grade, on grade, and below grade. Do not use on subfloors with excessive moisture or hydrostatic pressure.

**Approved for concrete substrates up to 100% rH when used in conjunction with WAKOL PU 280 Moisture Barrier.

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

- Commercial / Residential
- Absorbent / Non-absorbent substrates
- Interior / Exterior
- Homogeneous and heterogeneous PVC flooring in sheets and tiles
- Luxury vinyl tile and plank flooring
- Solid vinyl plank or tile per ASTM F1700
- Rubber flooring (over absorbent substrate, no flash time is needed – direct wet set)
- Agglomerated rubber flooring in tiles and rolls
- Needle punch
- Linoleum
- Cork flooring with PVC backing
- Outdoor flooring
- Artificial grass on absorbent and non-absorbent substrates (indoors and outdoors)

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 / cm^2).

- Before starting installations on concrete subfloors, moisture test must be conducted. Emission of moisture through the subfloor should not exceed 5 pounds / 1,000 sqft / 24 hours (ASTM F1869) or 95% rH (ASTM F2170)

*For concrete substrates higher than 95% rh, it is required to first apply WAKOL PU 280 Moisture Barrier.

Loba-Wakol, LLC | 2732 HWY 74 W | Wadesboro, NC 28170 | T: 800.230.6456 | F: 704.527.5922 | www.loba-wakol.com

Pursuing excellence unites

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 PU 280 Moisture Barrier.

Wood subfloors / underlayment
OSB, plywood, particle board and wooden planks which are approved from the manufacture as underlayment for resilient flooring installation. Confirm minimum total thickness of wood substrates required by the floor covering manufacturer.

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 Data Sheet for details. Alternative leveling compounds may be used if approved by the floor covering manufacturer.

WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier
NOTE: WAKOL PU 280 Moisture Barrier and WAKOL MS 330 Moisture Barrier will create a non-absorbent substrate. Observe instructions below for non-absorbent substrates.

Can be directly applied to WAKOL PU 280 Moisture Barrier and WAKOL MS 330 Moisture Barrier.

Application and Coverage*

Spread adhesive evenly and uniformly using the recommended trowel.
Allow the appropriate airing time depending on substrate absorbency and climate conditions.

- Absorbent substrates: approx. 0-10 minutes
- Non-absorbent substrates: including WAKOL PU 280 Moisture Barrier (see chart below).

Lower humidity will extend the airing time.

Higher humidity will decrease the working time.

For resilient installations using WAKOL MS 552 Resilient and Rubber Flooring Adhesive directly on WAKOL PU 280 Moisture Barrier observe the following guidelines:

- Allow WAKOL PU 280 Moisture Barrier to dry a minimum of 12 hours.
- Application of adhesive directly to WAKOL PU 280 Moisture Barrier and installation of resilient flooring prior to the 12-hour waiting period will extend the time when the floor will be ready for full traffic and could result in weakened adhesive bond.

Loba-Wakol, LLC | 2732 HWY 74 W | Wadesboro, NC 28170 | T: 800.230.6456 | F: 704.527.5922 | www.loba-wakol.com

Technical Data Sheet

WAKOL MS 552 Resilient and Rubber Flooring Adhesive

Pursuing excellence unites

Air Humidity	35% rH	50% rH	75% rH
Adhesive Airing Time*	Approx. 40 minutes	Approx. 30 minutes	Approx. 20 minutes
Ready For Light Traffic	24 hours	24 hours	24 hours
Ready For Heavy Traffic	48 hours	48 hours	48 hours

Install flooring within the working time into wet adhesive and press firmly or roll with a three section 100 pound roller in each direction.

Adhesive transfer to back of flooring should be at least 95%. Roll flooring again in each direction after approx. 1 hour.

To reduce the risk of indentations from knees on fresh adhesive, use a kneeling board during the installation of roll/sheet flooring or work off the flooring material.

Prevent foot traffic on newly installed flooring for the first 12 hours.

Clean wet adhesive from tools and equipment with WAKOL RT 5960 Cleaning Towels. Dried adhesive can be easily removed manually.

Floor Covering	Recommended Wakol Trowel
Rubber flooring, PVC flooring, Luxury Vinyl Tile flooring, agglomerated rubber ≤ 4mm thickness	WAKOL A1  3/64" by 1/16" by 1/64" V-notch (up to 240 sq.ft./gal.)
Rubber flooring, PVC flooring, Luxury Vinyl Tile flooring, agglomerated rubber > 4mm thickness	WAKOL A2  1/16" by 1/16" by 1/16" V-notch (up to 160 sq.ft./gal.)
Rubber and PVC flooring with a structured back Needle punch, artificial grass	WAKOL B2  3/32" by 5/64" by 1/8" V-notch (up to 110 sq.ft./gal.)

*Coverage is dependent on the surface structure and absorbency of the substrate.

Loba-Wakol, LLC | 2732 HWY 74 W | Wadesboro, NC 28170 | T: 800.230.6456 | F: 704.527.5922 | www.loba-wakol.com

Pursuing excellence unites

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.

Loba-Wakol, LLC | 2732 HWY 74 W | Wadesboro, NC 28170 | T: 800.230.6456 | F: 704.527.5922 | www.loba-wakol.com