

Technical Data Sheet
WAKOL PU 270 Resilient and Rubber
Flooring Adhesive

WAKOL®
Pursuing excellence unites



- Suitable for heavy loads
- Suitable for Indoor / outdoor flooring
- Not effected by water when cured
- Can be used directly over WAKOL PU 280 Moisture Barrier
- Up to 100% rH** (See below for details)



Specifications

Raw material base: Polyurethane resin and hardener

Type: Two component, polyurethane adhesive for resilient floor coverings

Color: Tan

Odor: None to negligible

VOC Content: 0 g/l US regulatory

Working Time: 70-80 minutes (depending on humidity)

Cure Time: Light foot traffic after 6-8 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: 1 gal.

Unit Weight: 17.5 lbs. ea.

Units per pallet: 60 pieces (combination pack A&B)

Item Number: WA-FL-016

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Important Information

Jobsite conditions must meet the NWFPA, 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.

If a moisture barrier or primer is needed prior to the installation with WAKOL PU 270 Resilient and Rubber Flooring Adhesive, use WAKOL PU 280 Moisture Barrier exclusively.

WAKOL PU 270 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
- 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
- Artificial grass on absorbent and non-absorbent substrates (indoors and outdoors)
- Ceramic tiles on absorbent and non-absorbent substrates (indoors and outdoors)

Subfloors / Substrates

All surfaces must meet the NWFPA, 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).

- Before starting installations on concrete subfloors, moisture test must be conducted. Emission of moisture through the subfloor should not exceed 3 pounds / 1,000 sqft / 24 hours (ASTM F1869) or 80% rH (ASTM F2170)

*For concrete substrates higher than 80% rH, it is required to first apply WAKOL PU 280 Moisture Barrier.

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.

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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

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

For installing flooring with WAKOL PU 225 Resilient and Rubber Flooring Adhesive on top of a Wakol Moisture Barriers, please notice that all unevenness of the subfloor will telegraph through the flooring.

Application and Coverage*

Mix both components (A&B) thoroughly for minimum 3 minutes using a power mixer. Keep mixing until a homogenous color is achieved.

Spread adhesive evenly and uniformly using the recommended trowel. Install flooring within the working time into wet adhesive and press firmly and roll with a three section 100 pound roller in each direction.

Adhesive transfer to back of flooring should be at least 90%.

Roll again in each direction within one hour after installation.

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 8 hours.

Clean wet adhesive from tools and equipment with WAKOL RT 5960 Cleaning Towels. Dried adhesive can be extremely difficult remove.

See chart for details.

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	Recommended Wakol Trowel
Rubber flooring, PVC flooring, Luxury Vinyl Tile flooring	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	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.

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.