

Technical Data Sheet
WAKOL D 3540 Cork Flooring Adhesive

WAKOL®

Pursuing excellence unites



- Extra-long working time
- High initial strength
- Can be walked on immediately
- Solvent free
- Very easy clean up
- Can be used directly over WAKOL PU 280 Moisture Barrier
- Up to 100% rH** (See below for details)



Specifications

Raw material base: Synthetic polymer and latex

Type: Solvent free water-based contact adhesive for cork tiles with natural cork backing

Color: White

Odor: None to negligible

VOC Content: 0 g/l US regulatory

Flash Time: 30-45 minutes (depending on and substrate and climate conditions) Adhesive must dry clear

Working Time: 2-3 hours, when installing precoated tiles working time is reduced to 1-1.5 hours

Cure Time: 24 hours

Cleaning agent: Water before product dries

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

Freeze/thaw stable: No. Do not freeze

Unit Size: 1 gal.

Unit Weight: 9.4 lbs. ea.

Units per pallet: 64 pieces

Item Number: WA-FL-006

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.

If a moisture barrier or primer is needed prior to the installation with WAKOL D 3540 Cork Flooring Adhesive, use WAKOL PU 280 Moisture Barrier exclusively.

WAKOL D 3540 Cork Flooring Adhesive 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 D 3540 Cork Flooring Adhesive for vinyl cork flooring.

**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
- Cork tiles with natural cork backing on absorbent and non-absorbent substrates, walls, and to permanently adhere non-cushioned clean existing floor coverings

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).

- 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.

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.

Apply 2 coats of WAKOL PU 280 Moisture Barrier as instructed in the technical data sheet of WAKOL PU 280 Moisture Barrier. Add additional coat of WAKOL PU 280 Moisture Barrier and let cure. Abrade the additional coat with 60 or 80 grit sandpaper or screen. Install WAKOL D 3540 Cork Flooring Adhesive and cork within 72 hours.

Can be directly applied to WAKOL PU 280 Moisture Barrier.

Application and Coverage*

Stir adhesive well before use.

Roll adhesive evenly and uniformly on the back of the tile and the substrate using a LOBA Roller Microfiber 60-80 or LOBA Roller Microfiber 100-120.

The tiles can be coated and allowed to dry in advance (maximum 24 hrs. before installation). However, the substrate must be coated at the time of installation. Be sure that the tiles and substrate are completely covered.

Allow to dry until the adhesive is clear, dry to the touch and slightly glossy. If you are unsure about the coverage, a second coat may be applied once the first coat is dry.

Adhesive transfer to back of flooring and the substrate should be 100%.

Place cork tiles directly into place as there is little chance to re-position.

Once tiles are in place "set" the tiles by hitting the entire surface with a soft headed rubber mallet (minimum 2" face). This impact is vital for the strength of the adhesive.

	Recommended Wakol Applicator
Cork tiles with natural cork backing	LOBA Roller Microfiber 60-80 or LOBA Roller Microfiber 100-120 (up to 180 sq.ft./gal) when covering the back of the tile and the substrate

*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.