

# WAKOL D 3540 Cork Flooring Adhesive

## Product Data Sheet

### Description

Solvent free, water based contact adhesive for the interior installation of

- cork tiles with natural cork backing

on porous and non-porous subfloors, walls and to permanently adhered, non-cushioned, clean, existing floor coverings.

### Special Features



- 1) Based on the criteria of GEV (Association for Emission-controlled Laying Materials), classified as EMICODE EC1 PLUS: very low in emissions
- 2) Meets Indoor Air Emissions criteria of: California Section 01350, ·CHPS, ·Indoor Advantage Gold™, ·FloorScore
- 3) LEED credits under 4.1
- 4) Meets criteria of Californian South Coast Air Quality Management District, rule 1168
- 5) Meets criteria of Bay Area Air Quality Management District

- zero VOC
- solvent free
- extra long working time
- excellent coverage
- high initial strength
- can be walked on immediately
- suitable for chair casters
- approved for radiant heated floors

### Properties

Base:	Synthetic polymer and latex
VOC content:	0g/l, US regulatory
Flash time:	30 to 45 minutes, depending on climate conditions and absorbency of substrate, allow adhesive to dry until it is clear
Working time:	2 to 3 hours; when installing precoated tiles working time is reduced to 1 to 1,5 hours
Curing time:	Curing takes approximately 24 hours, light traffic allowed immediately after installation
Cleaning agent	Water before adhesive cures

Shelf life: 1 year in unopened container at 70 °F / 21 °C, not below 40 °F / +5 °C; sensitive to frost

Application and coverage<sup>6)</sup>

Substrate	Applicator	Coverage
cork tiles with natural cork backing	Loba microfibre roller # 60 - 80 or #120  on both the tile and the substrate	up to 180 sq. ft.

6) Coverage is dependent on surface structure and absorbability of subfloor

**Subfloor**

All surfaces must meet the NWFA Guidelines, they must be permanently dry, smooth, absorbent and level. They must be structurally sound, solid, well fastened, clean and free from dust, oil, grease, paint, wax, old adhesive. Remove any curing and parting compounds, surface hardeners and sealers which are known to interfere with the adhesive bond to concrete, as well as loosely bonded toppings, primers or any other substances that may prevent or reduce adhesion.

Any irregularities of the subfloors may telegraph through the cork flooring; make sure the subfloor is evenly smooth and level.

Prime any rough subfloors with primer WAKOL D 3035 Dispersion Primer and level with a high quality cement based underlayment, in a minimum thickness of 3/32".

New concrete

New concrete floors should 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<sup>2</sup>).

Before starting installations on concrete subfloors, moisture test must be conducted. Emission of moisture through the subfloor should not exceed 3 pounds / 1.000 sq. ft. / 24 hours (ASMT F 1869) or 75 % RH (ASTM F 2170-02).

Wood subfloors / underlayments

OSB, plywood, particle board and wooden planks which are approved from the manufacturer as underlayment for resilient flooring installation.

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 grid 40 or 60 to ensure a mechanical bond.

WAKOL PU 280 Moisture Barrier

The installation of cork tiles with WAKOL D 3540 Cork Flooring Adhesive on top of WAKOL PU 280 Moisture Barrier is possible.

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

## Walls

An even surface is required. Plaster must be leveled with fine, high quality wall filler. To bind dust, use WAKOL D 3035 Dispersion Primer diluted 1:1 with water. Minimum drying time of 24 hours is needed.

## **Application**

Stir adhesive well before use.

Spread adhesive evenly and uniformly on the back of the tile and the subfloor Loba microfibre roller #60 - 80 or #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 tiles and subfloor 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.

Set tile carefully in place and use a rubber mallet to secure the tile into the adhesive. Install tiles within 3 hours after the floor is coated; tiles covered in advance must be installed within 1 hour. If installation will take more time, an additional coat of adhesive can be applied over the first coat.

Clean tools and equipment with water before adhesive cures.

## **Important Information**

Jobsite conditions must meet 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. Acclimatize materials during cold periods properly.

Adhesive can be used above grade, on grade and below grade. Do not use adhesive on subfloors with excessive moisture and hydrostatic pressure.

Do not use WAKOL D 3540 Cork Flooring Adhesive for vinyl cork flooring.

## **Disclaimer**

The responsibility of the suitability of the adhesive for each individual case cannot be assumed, as the manufacturer has no influence on the proper application of the adhesives by the installer and or contractor. The directions for use were established on the basis of 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.

The latest version of this product data sheets can be found at [www.wakol-usa.com](http://www.wakol-usa.com).

This Technical Information of 04/21/2015 supersedes all previous versions.