WAKOL K 410 Wood Flooring Adhesive

Product Data Sheet

Description

Low odor adhesive with low solvent content for the interior installation of solid and engineered wood flooring, such as solid strip, plank, parquet, and engineered wood plank.

Special Features

- Unmatched long working time, minimum 2 hours (patent pending)
- Water free
- Low odor
- Excellent legging bridges hollows
- Very easy to spread
- High green grab
- For radiant heated floors
- Suitable for chair casters

Properties

Base:	Polymers and synthetic resins
VOC content:	78.6 g/l
Cleaning agent	Mineral spirits before adhesive cures
Trowels and coverage:	Solid parquet trowel WAKOL B3 coverage approx. 65 - 70 sq ft / gal
	Solid 2 ¼`` strip trowel WAKOL B3 or WAKOL B5 coverage approx. 60 – 65 sq ft / gal.
	3`` and wider plank and engineered wood plank trowel WAKOL B5 or WAKOL B11 coverage approx. 50 – 60 sq ft / gal.
	Adhesive transfer to wood floor backing minimum 90%
Climate conditions at work site:	60°F to 75°F, 40% to 65% relative humidity
Open time:	no waiting time required
Working time:	minimum 2 hours (patent pending)

Curing time:	Curing takes 24 to 48 hours depending on climate conditions on job site. Allow wood flooring to acclimate and equalize its moisture content with room climate conditions before finishing the wood flooring surface.
Shelf life:	12 month in unopened container at 70°F

Subfloors

All surfaces shall be clean, dry, smooth and level. They must be structurally sound, solid, well fastened, clean and free from dust, oil, grease, paint, wax or old adhesive. Check for curing 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.

Prior to the installation check any subfloor properly according to NWFA guidelines.

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/cm²).

Before starting installations on concrete subfloors, moisture testing must be conducted. The Anhydrous Calcium test (calcium-chloride) has been designed to produce qualitative and quantitative results. Emission of moisture through the subfloor should not exceed 3 pounds / 1,000 sq.ft./ 24 hours (1.36 kg / 93 m² / 24 hours).

Alkali salts can be carried to the surface of concrete subfloors during curing or where excessive moisture conditions exist. These deposits can create adhesive bond failures. The suitability of the slab can be determined with the use of pH testing paper or sticks. It is suitable to install the flooring if the pH is under 10.

Wood subfloors / underlayments:

Preferred underlayments, such as plywood, particle board with 40 lb. per cu. Ft. density, and OSB (oriented strand board) should have the APA trademark and be recommended or guaranteed by the underlayment’s manufacturer or the wood flooring’s manufacturer. The subfloor over which the underlayment will be installed must be clean, smooth, dry, properly fastened and free of joint swelling, warping or delamination, multiply and tecply underlayments have been approved as is APA – AC/BC EXTERIOR.

Other subfloors:

Existing cement terrazzo and ceramic tiles must have full adhesion to the subfloor. Remove all residues of maintenance agents and other materials that may cause adhesion failure.

Prime any non porous subfloors with WAKOL primer D 3073 and level with a high quality cement based underlayment in a minimum thickness of 1/8´´ (3 mm). See instructions of underlayment´ producer.

Wakol GmbH
Bottenbacher Straße 30
D-66954
Pirmasens
Tel. +49 (0) 63 31 80 01 - 0
Fax +49 (0) 63 31 80 01 - 8 90
www.wakol.com

TÜV CERT DIN EN ISO 9001:2000 Zertifikat Nr. 71 100 7 088

Wakol GmbH
Industriestraße 5
A-6841
Mäder
Tel. +43 (0) 55 23 6 47 00
Fax +43 (0) 55 23 6 47 00 64
www.wakol.at

Wakol Adhesa AG/SA
Stauffacherstraße 130 A
CH-3014
Bern
Tel. +41 (0) 31 9210755
Fax +41 (0) 31 9212968
www.wakoladhesa.ch

Wakol Foreco srl
Via Kennedy 75
I-20010
Marcallo con Casone
Tel. +39 02 9761939
Fax +39 02 97253021
www.wakolforeco.it

Maiburg Lijmen B.V.
Schutweg 6
NL-5145
Waalwijk
Tel. +31 (0) 416 566530
Fax +31 (0) 416 566531
www.maiburg.nl

Loba-Wakol Polska Sp. z o. o.
ul. Heroldów 6
PL-01-991
Warszawa
Tel. +48 (0) 22 569 99 18
Fax +48 (0) 22 569 99 17
www.loba-wakol.pl

Application

Adhesive is a flammable liquid and vapor. Turn off all pilot lights and any other possible ignition source. Stir adhesive well before use.

Spread adhesive evenly and uniformly using the recommended trowel. Lay wood flooring into wet adhesive and press firmly. Occasionally lift a piece of wood flooring to assure an adhesive transfer of minimum 90%.

No traffic on installed areas allowed within first 12 to 14 hours. Full traffic allowed after complete curing of the adhesive (24 to 48 hours depending on room temperature).

Provide for expansion and control joints.

Clean tools with mineral spirits.

General Information

Do not use adhesive below grade with excessive moisture or hydrostatic pressure. Acclimatize materials during cold periods properly.

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.