

Technical Data Sheet
WAKOL K 410 Wood Flooring Adhesive

WAKOL® 
Pursuing excellence unites



- Unmatched long working time
- Easy to apply
- Water free
- Low odor
- High green grab
- Excellent legging, bridges hollow spots
- Superior inner strength (E-Modulus)
- Low VOC



Specifications

Raw material base: Polymer and synthetic resin
Type: Firm, single component wood floor adhesive
Color: Tan
Odor: Low
VOC Content: 78.6 g/l US regulatory
Working Time: Minimum 2 hours
Cure Time: 48-72 hours
Cleaning agent: 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: 4 gal.
Unit Weight: 53 lbs. ea.
Units per pallet: 22 pieces
Item Number: WA-FL-008

Important Information

All surfaces 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 K 410 Wood Flooring Adhesive, the concrete must be prepared with a 4 mm minimum thickness Wakol Leveling Compound.

WAKOL K 410 Wood Flooring Adhesive can be used above grade, on grade, and below grade. Do not use on subfloors with excessive moisture or hydrostatic pressure.

Recommended Use – On properly prepared absorbent subfloors

- Commercial / Residential
- 3/4 Solid hardwood without limitations
- Engineered hardwood without limitations
- Finger parquet
- Do not use over WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier (substrate must be absorbent per ASTM F3191)

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 or WAKOL MS 330 Moisture Barrier. Then prime the floor with WAKOL D 3045 Special Primer, and then you will need to apply an approved Wakol leveling compound.

Gypsum (and other moisture sensitive substrates)

Gypsum underlayment must meet the minimum compressive strength requirements of the floor covering being installed. When using WAKOL K 410 Wood Flooring Adhesive, an absorbent substrate is required. Loose, friable, or dusty gypsum must be primed with a single coat of WAKOL PU 280 Moisture Barrier. Prime the floor with WAKOL D 3045 Special Primer and then you will need to apply an approved Wakol leveling compound.

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.

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 NOT be applied directly on WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier.



Substrate must be absorbent (per ASTM F3191).

Application and Coverage*

WAKOL K 410 Wood Flooring Adhesive is a flammable liquid and vapor. Turn off all pilot lights and any other possible ignition source. Stir adhesive well before use.

Using a notched trowel, apply uniformly on the subfloor, without letting the adhesive pool. Place the wood flooring immediately and press it down firmly. Ensure that the underside of each piece of flooring is sufficiently coated with adhesive (90% adhesive transfer). Wet adhesive can be removed using mineral spirits.

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

	Recommended Wakol Trowel
3/4" Solid wood strip and plank without dimensional limitations End grain blocks	WAKOL B13  1/4" by 1/2" by 1/4" V-notch (40-55 sq.ft./gal.)
Engineered wood without dimensional limitations	WAKOL B5  3/16" by 1/2" by 1/4" V- notch (55-70 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.