

Technical Data Sheet
WAKOL MS 1000 All-In-One
Wood Flooring Adhesive

WAKOL®
Pursuing excellence unites



- No moisture test required**
- Unlimited moisture protection**
- Good sound reduction properties
- No restrictions on engineered dimensions, up to 4" solid
- Suitable over radiant heat
- Easy to spread
- Exceptional working time
- Solvent free, water free
- Very easy clean up
- Good tensile strength



Specifications

Raw material base: Modified Silane Polymer

Type: Flexible, single component wood floor adhesive

Color: Tan

Odor: None to negligible

VOC Content: 0 g/l US regulatory

Working Time: 60 minutes (depending on humidity)

Cure Time: 48 hours

Sound Reduction: (All-in-one trowel)

8" slab with no ceiling STC: 56 IIC: 50 HIIC: 49

8" slab with ceiling STC: 61 IIC: 60 HIIC: 59

Cleaning agent: WAKOL RT 5960 Cleaning Towels or mineral spirits before product dries

Shelf Life: 18 months in unopened container at 70°F / 21°C, not below 40°F / 5°C

Freeze/thaw stable: Yes

Maximum Elongation: 50%

Unit Size: 3 gal.

Unit Weight: 45 lbs. ea. Units per pallet: 44 pieces

Item Number: WA-FL-215

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. Substrates that are on grade and below grade must have a suitable intact vapor barrier beneath the slab.

WAKOL MS 1000 All-In-One Wood Flooring Adhesive can be used above grade, on grade, and below grade.

- Do not use on subfloors with hydrostatic pressure
- Do not use directly over WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier

****Approved for concrete substrates up to 100% RH without moisture testing when using WAKOL B5 All-in-one trowel:**

- Must have no surface moisture
- Must be at least 28 days old
- Must have a surface temperature of at least 60°F (16°C)

Recommended Use – On properly prepared absorbent and non-absorbent subfloors

- Commercial / Residential
- No restrictions on engineered dimensions
- 3/4" solid hardwood up to 4" wide
- Gluing down 3/4" plywood to concrete
- Approved over substrates containing radiant heat (As adhesive only)
- Can be used to bridge non-moving cracks in concrete up to 1/8" when using the WAKOL B5 All-in-one trowel.

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. Check for curing and 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).

Burnished concrete that has a slick or reflective surface must be abraded to create a mechanical profile.

Radiant Heat: **Concrete subfloors** containing Radiant heating systems must be turned off 24–48 hours prior to installation and remain off during installation. Substrate temperature must be maintained between 65–80°F (18–27°C). After installation, allow adhesive to cure for a minimum of 48–72 hours before reactivating radiant heat. Heat must be increased gradually, not more than 5°F (3°C) per day, and the finished floor surface temperature must not exceed 85°F (29°C) unless otherwise approved by the flooring manufacturer.

Gypsum (and other moisture sensitive substrates)

Do not use as a moisture barrier over gypsum substrates.

Wood subfloors / underlayment

Do not use as a moisture barrier over wood substrates.

As adhesive only: OSB, plywood, AdvanTech, EXACOR, and X-Factor underlayments, and wooden planks which are approved from the flooring manufacturer as underlayment for 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

If a patching or leveling compound is needed prior to the installation of WAKOL MS 1000 All-In-One Wood Flooring Adhesive, the patching or leveling compound **MUST** be moisture tolerant and suitable for up to 100% RH.

Application and Coverage*

Using the recommended trowel, apply uniformly on the substate, without allowing the adhesive to 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). Any wet adhesive can be removed using the WAKOL RT 5960 Cleaning Towels. Dried adhesive can be easily removed manually.

- Adhesive transfer to back of flooring should be at least 90%
- Adhesive transfer to substrate should be 100% to protect against moisture vapor when using WAKOL B5 All-in-One trowel
- Sanding in possible after 48 hours

As Moisture Barrier	Recommended Wakol Trowel
No restrictions on engineered dimensions, up to 4" width solid wood.	WAKOL B5 All-in-one  3/16" x 1/2" x 1/4" V-Notch with gauge pins (up to 50 sq.ft./gal.)

*Coverage is dependent on the surface structure and absorbcency of the substrates.

Adhesion only	Recommended Wakol Trowel
3/4" Solid wood ≤ than 4" width, plywood underlayment.	WAKOL B13  1/4" x 1/2" x 1/4" V-notch (up to 60 sq.ft./gal.)
No restrictions on engineered dimensions, up to 4" width solid wood.	WAKOL B5  3/16" x 1/2" x 1/4" V-notch (up to 80 sq.ft./gal.)

*Coverage is dependent on the surface structure and absorbcency of the substrates.

Symbols



<https://www.wakol-usa.com/us/flooring-adhesives/recommended-applications/symbol-explanations>

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 4/30/2026 supersedes all previous versions.

For Technical support contact Loba-Wakol, LLC at 800.230.6456 or by e-mail at: technical@loba-wakol.com.