

Technical Data Sheet
WAKOL Z 631 Leveling Compound

WAKOL®

Pursuing excellence unites



- Pourable or pumpable
- Suitable over wood and concrete
- Walkable in 2-3 hours
- Installs up to 2" thick
- Excellent for smoothing rough substrates
- Excellent compressive strength
- Up to 100% rH** (See below for details)



Specifications

Raw material base: Special cement/quartz mixture with synthetic additive

Type: Cementitious, self-leveling compound for treating uneven substrates

Color: Grey

Odor: None to negligible

VOC Content: 0 g/l US regulatory

Working Time: Approx. 15 minutes

Dry Time: 24 hours (up to 3/8", anything greater will need to be mat tested in accordance with ASTM D4263)

Cleaning agent: Water before product dries

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

Freeze/thaw stable: Yes

Unit Size: 50 lbs. bag

Unit Weight: 50 lbs. ea.

Units per pallet: 48 pieces

Item Number: WA-FL-167-L

508902US00 1123 WAKOL Z 631 Leveling Compound

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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 solidifying primer is needed prior to the installation with WAKOL Z 631 Leveling Compound, use WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier exclusively.

WAKOL Z 631 Leveling Compound can be used above grade, on grade, and below grade. Do not use on subfloors with excessive moisture or hydrostatic pressure.

Store in a cool, dry area. Do not leave material exposed to sun.

For using over wooden substrates, make sure that the plywood is minimum 3/4" thickness, securely fastened with screws and free of deflection. Floor joists must be 16 inches on center.

**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
- Absorbent and non-absorbent substrates
- Interior use only
- Textile flooring
- Resilient flooring
- Wood flooring
- Pumpable

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 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

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)

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*For concrete substrates higher than 80% rh, it is required to first apply WAKOL PU 280 Moisture Barrier or WAKOL MS 330 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 followed by a coat of WAKOL D 3045 Special Primer.

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.

Primers

Absorbent substrates

- Use WAKOL D 3003 Dispersion Primer (Please check Technical Data Sheet for details)
- Use WAKOL D 3004 Primer Concentrate (Please check Technical Data Sheet for details)

Non-absorbent substrates

- Use WAKOL D 3045 Special Primer (Please check Technical Data Sheet for details)
- Use WAKOL D 3004 Primer Concentrate (Please check Technical Data Sheet for details)

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 for non-absorbent substrates.

Application and Coverage*

Pour 5 quarts of clean, cold water into a mixing container. Then add one 50 pound bag of WAKOL Z 631 Leveling Compound into the container. Using a 1/2" (12 mm) mixing paddle and a heavy-duty drill (min. 650 rpm) mix thoroughly for approx. 2-3 minutes or to a lump-free consistency.

DO NOT over-water. Too much water will weaken the product and it will lose its strength.

Pour the mixing container onto the floor and spread with a gauge rake to the thickness you desire. Immediately smooth the material with a smoothing trowel or a spike roller. Wear cleats with non-metallic spikes to avoid leaving marks in the material

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Install at a minimum thickness of 1/8"

Install at a maximum thickness of 2" in most applications

Pouring at depths greater than 3/8" mat testing must be performed prior to installation (ASTM D4263).

50 sqft/bag at 1/8" thickness

Walkable in 2-3 hours

Install floor coverings after 24 hours

Compressive strength: 4,500 psi at 28 days

Flexural strength: 1,000 psi at 28 days

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.