

Technical Data Sheet
WAKOL Z 627 Leveling Compound



- Pourable or pumpable (high flow)
- Walkable in 2 hours
- Installs up to 1" thickness
- Excellent for smoothing rough substrates
- 8,000 PSI at 28 days
- 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. 10 minutes
Dry Time: 2-12 hours, depending on thickness of installation and intended floor covering
Compressive strength: 8,000 PSI at 28 days
Flexural strength: 2,000 PSI at 28 days
Cleaning agent: Water before product dries
Shelf Life: 9 months in unopened container at 70°F / 21°C
Freeze/thaw stable: Yes
Unit Size: 50 lbs. bag
Unit Weight: 50 lbs.ea.
Units per pallet: 48 pieces
Item Number: WA-FL-197-L

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 primer is needed prior to the installation with WAKOL Z 627 Leveling Compound, use WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier exclusively.

WAKOL Z 627 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.

*Approved for concrete substrates up to 100% rH when used in conjunction with WAKOL PU 280 Moisture Barrier.

Recommended Use – Commercial and residential interior installations

- Over absorbent and non-absorbent substrates with the appropriate primer
- Only over concrete subfloors
- Over structurally sound Ceramic tile and terrazzo and properly prepared
- For use prior to the installation of all floorcoverings

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

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.

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. Do not apply WAKOL Z 627 Leveling Compound directly over Gypsum substrates.

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Wood subfloors / underlayment

Do not apply directly over Wood subfloors / underlayment.

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. For applications over WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier, WAKOL D 3045 Special Primer must be applied prior to using WAKOL Z 627 Leveling Compound. (Please check Technical Data Sheet for details)

Application and Coverage**

Pour 6-6.5 quarts of clean, cold water into a mixing container. Then add one 50-pound bag of WAKOL Z 627 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.

Pouring at depths greater than 3/8", only use 6 quarts of water per bag.

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

Pour the mixed material 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. Protect WAKOL Z 627 Leveling Compound from direct sunlight and drafts.

- Install at a minimum thickness of 1/8"
- Install at a maximum thickness of 1" over absorbent substrates (up to 1/2" over non-absorbent substrates)
- 56 sqft/bag at 1/8" thickness
- Walkable in 2 hours
- Install moisture insensitive floor coverings as soon as 2 hours wood flooring and moisture curing adhesives as early as 12 hours
- If WAKOL Z 627 Leveling Compound is poured 1/2" or greater, allow a minimum of 4 hours dry time before installing resilient flooring

*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 10/24/2024 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