

Technical Data Sheet
WAKOL Z 501 Patching Compound



- Exceptional bond strength
- Easy to mix and apply
- Mold and mildew resistant
- Suitable for heavy loads
- 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-drying trowel grade underlayment for treating uneven substrates
Color: Grey
Odor: None to negligible
VOC Content: 0 g/l US regulatory
Working Time: Approx. 15-20 minutes
Cure Time: Textile and Resilient Flooring: 15-30 minutes Wood Flooring: 16 hours
Pot Life: 15-20 minutes at 70°F / 21°C
Cleaning agent: Water before product dries
Shelf Life: 9 months in unopened bag at 70°F / 21°C, not below 40°F / 5°C
Freeze/thaw stable: Yes
Unit Size: 10 lbs. bag
Unit Weight: 10 lbs. ea.
Units per pallet: 208 pieces
Item Number: WA-FL-168-L

508802US00 1123 WAKOL Z 501 Patching Compound

Loba-Wakol, LLC | 2732 HWY 74 W | Wadesboro, NC 28170 | T: 800.230.6456 | F: 704.527.5922 | www.loba-wakol.com

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 501 Patching Compound, use WAKOL PU 280 Moisture Barrier or WAKOL MS 330 Moisture Barrier exclusively.

WAKOL Z 501 Patching 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 – On properly prepared absorbent subfloors

- Commercial / Residential
- Interior use only
- Absorbent substrates
- Directly over WAKOL PU 280 at maximum 1/8" for resilient flooring only

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 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 501 Patching Compound directly over Gypsum substrates.

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)

WAKOL PU 280 Moisture Barrier

- For application over WAKOL PU 280 Moisture Barrier, WAKOL Z 501 Patching Compound may be directly applied at a maximum depth of 1/8" depth for resilient floor covering only.
- When applying at a depth greater than 1/8" depth or prior to the installation of wood flooring, it is necessary to prime with WAKOL D 3045 Special Primer. Please check Technical Data Sheet for details.

Application and Coverage*

Mixing a 10 pound bag: Pour 1.5 to 2.5 quarts of clean, cold water into a mixing container. Then add one 10 pound bag of WAKOL Z 501 Patching Compound into the container. Using a 1/2" (12 mm) mixing paddle and a heavyduty drill (min. 650 rpm) mix thoroughly for approx. 2-3 minutes or to a lump-free consistency.

Mixing small quantities; use 2.5 to 3.5 parts of powder to 1 part water by volume, mix thoroughly for 2-3 minutes. Just prior to application on the substrate, the mix should be stirred again to ensure a smooth, lump-free consistency. Using a steel trowel, apply the mixture to the substrate. Protect WAKOL Z 501 Patching Compound from direct sunlight and drafts.

The pot life is 15-20 minutes at 70°F / 21°C. If surface skinning occurs during this time, remix before using. Do not add more water.

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

Install at a minimum thickness of 1/16"

Install at a maximum thickness of 1/2" in most applications

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40 sqft/bag at 1/16" thickness

Walkable in 15-30 minutes

Install textile and resilient flooring coverings after 15-30 minutes

Install wood flooring and moisture curing adhesives after 16 hours

Compressive strength: 7,800 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.