

# WAKOL Z 631 Levelling Compound

## Product Data Sheet

### Description

Cementitious, self-levelling compound for treating uneven subfloors in layer thickness of 1/8' to 1 1/4' (3 - 30 mm). Suitable underneath

- textile flooring
- resilient flooring
- wood flooring

indoors.

### Special Features



- 1) Based on the criteria of GEV (Association for Emission-controlled Laying Materials), classified as EMICODE EC1 PLUS: very low in emissions
- 2) Meets Indoor Air Emissions criteria of: California Section 01350, ·CHPS, ·Indoor Advantage Gold™, ·FloorScore
- 3) LEED credits under 4.1
- 4) Meets criteria of Californian South Coast Air Quality Management District, rule 1168
- 5) Meets criteria of Bay Area Air Quality Management District

- Self levelling
- Smooth surface
- Zero VOC
- Easy to mix and apply
- Can be pumped
- Suitable for underfloor heating

### Properties

Base:	special cement/quartz mixture with synthetic additive
VOC content:	0g/l, US regulatory
Compressive strength (ASTM C 109M-air cure only):	30N/mm <sup>2</sup> , approx. 4,500 psi - 28 days
Flexural strength (ASTM C348):	7N/mm <sup>2</sup> , approx. 1000 psi - 28 days

Mixture:	5 quarts (4.75 liters) of water per 50 lb. bag
Coverage:	approx. 50 sq. ft per unit at a thickness of 1/8'
Working time:	approx. 10 minutes
Curing time:	24 hours for textile and resilient flooring up to 3/8' thickness other floorings or higher thickness require a mat test according to ASTM D4263
Shelf life:	12 months in unopened bag at 70 °F / 21 °C

## Subfloor

All surfaces must meet the NWFA or RFCI Guidelines, they must be permanently dry, smooth and level. 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 primer to concrete, as well as loosely bonded toppings, primers or any other deleterious substances that may prevent or reduce adhesion.

Prime subfloors with WAKOL D 3035 Dispersion Primer or WAKOL D 3045 Special Primer. Check Product Data Sheet for details.

### New concrete

New 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 / cm<sup>2</sup>).

Before starting installations on concrete subfloors, moisture test must be conducted. Emission of moisture through the subfloor should not exceed 3 pounds / 1.000 sq. ft. / 24 hours (ASMT F 1869) or 75 % RH (ASTM F 2170-02).

### 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 grid 40 or 60 to ensure a mechanical bond.

## Application

Stir WAKOL Z 631 Levelling Compound in a clean mixing container with 5 quarts clear, cold tap water until free of lumps. Minimal rotational speed of the mixer (1/2" heavy-duty drill) is 650 rpm, mix thoroughly for 2 to 3 minutes. Do not add more water.

Just prior to application on the substrate, the mix should be stirred again to ensure a smooth, lump-free consistency. Using a smoothing trowel or rake, uniformly apply stirred levelling compound to the subfloor in the desired layer thickness. Before applying the levelling compound, check whether a sufficiently sized edge strip is available. Protect levelling compound from direct sunlight and drafts.

## Important Information

Jobsite conditions must meet NWFA 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. Acclimatize materials during cold periods properly.

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

Where subfloor moisture exceeds the maximum permitted, use only WAKOL PU 280 Moisture Barrier as primer. Please check the Product Data Sheet for details.

## Disclaimer

The responsibility of the suitability of the adhesive for each individual case cannot be assumed, as the manufacturer has no influence on the proper application of the adhesives by the installer and or contractor. The directions for use were established on the basis of 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.

The latest version of this product data sheets can be found at [www.wakol-usa.com](http://www.wakol-usa.com). This Technical Information of 11/12/2020 supersedes all previous versions.