

WAKOL Z 615 Levelling Compound, dust-reduced

Product Data Sheet

Description

Dust-reduced, low tension cementitious self-levelling compound for treating uneven subfloors in layer thickness of 1/32' to 1/2' (1 - 10 mm), extended up to 1 3/8' (10 - 30 mm). Suitable underneath

- textile flooring
- resilient flooring
- wood flooring at a minimum of 3/32' (2 mm) layer thickness
- cork flooring
- heavy loads at 1/8' (3 mm) layer thickness

indoors.

Special Features



- 1) Based on the criteria of GEV (Association for Emission-controlled Laying Materials), classified as EMICODE EC1 PLUS R: 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) Wheelmark Certification Council Directive 96 / 98 / EC
- 5) Meets criteria of Californian South Coast Air Quality Management District, rule 1168
- 6) Meets criteria of Bay Area Air Quality Management District

- zero VOC
- low in chromate according to REACH
- self-leveling
- application with a rake
- suitable for chair castors at 1/32' (1 mm) thickness
- suitable for heavy loads at 1/8' (3 mm) thickness
- suitable for underfloor heating
- can be pumped

Properties

Base: special cement/quartz mixture with synthetic additive
 VOC content: 0g/l, US regulatory
 Compressive strength (EN 13813) 35 N/mm², approx. 5,076 psi
 Flexural strength (EN 13813) 7 N/mm², approx. 1,015 psi

Mixture:	unextended 1/32' - 1/2': approx. 1.7 gal water +55 lbs WAKOL Z 615 Levelling Compound, dust-reduced
	extended up to 1 1/32': 1.7 gal water +55 lbs. WAKOL Z 615 Levelling Compound, dust-reduced +35 lbs. sand 0 - 3 mm
Coverage:	approx. 60 sq. ft. per unit at a thickness of 1/8'
Working Time:	approx. 30 minutes
Curing Time:	suitable for walking after approx. 2 hours; ready for laying after 24 hours, even in thicker layers
Shelf life:	6 months in unopened sack at 70 °F / 21 °C

Subfloors

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 / 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 sq. ft. / 24 hours (ASMT F 1869) or 75 % RH (ASTM F 2170-02).

Wood subfloors / underlayments

OSB, plywood, particle board and wooden planks which are approved from the manufacturer as underlayment for resilient flooring installation.

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 615 Levelling Compound, dust-reduced in a clean stirring vessel with 1.7 gal. clear, cold tap water until free of lumps. Rotational speed of the stirrer max. 600 rpm. Allow levelling compound to mature about 3 minutes and briefly stir again. Using a dripper, smoothing trowel or knife, 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 setting 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.

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

When applying levelling compound in a layer thickness over 3/16' (5 mm) on calcium sulphate bonded concrete subfloors, use only WAKOL PU 280 Moisture Barrier. Please check the Product Data Sheet for details.

The permissible layer thickness on cast asphalt (IC10 and IC15) is max. 3/16' (5 mm).

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.

This Technical Information of 06/03/2015 supersedes all previous versions.