

# WAKOL Z 610 Levelling Compound, dust-reduced

## Technical Information

### Area of application

Self-levelling, dust-reduced, low-tension, cement-based levelling compound for smoothing out unevenness in layers 1 - 20 mm thick, non-elongated, 10 - 30 mm, elongated, under

- Textile flooring
- Elastic flooring
- Parquet (minimum thickness of 2 mm)
- Cork flooring

indoors.

WAKOL Z 610 Levelling Compound, dust-reduced can be processed in combination with WAKOL D 3060 Plastification Additive; for details, please refer to the technical information for the WAKOL D 3060 Plastification Additive.

### Special properties



- chromate reduced according to REACH
- suitable for chair castors from a layer thickness of 1 mm
- suitable for direct use in conjunction with surface treatment
- can be applied with a rakel
- self-levelling
- can be pumped
- suitable for heavy loads from a layer thickness of 3 mm

- 1) Based on the criteria of GEV (Association for Emission-controlled Laying Materials), classified as EMICODE EC1 PLUS: very low in emissions
- 2) Emissions class according to French law
- 3) Cement-based products, low chromate
- 4) Meets the requirements of the European Community
- 5) Connected Systems guarantee in the system with approved LOBA products for the surface treatment of levelling compounds. See <https://www.loba.de/en/products/connected-systems/>
- 6) Suitable for underfloor heating
- 7) Suitable for exposure to castor wheels

## Technical data

Raw material base:	Special cement/quartz mixture with special plastic additives
Strength of coating:	undiluted processing up to 20 mm elongated processing 10 - 30 mm with additives up to max. 65 by weight % (aggregation: WAKOL S 25 Elongating Sand or quartz sand 0 - 3 mm)
Mixture:	approx. 6,0 - 6,25 l water + 25 kg WAKOL Z 610
Processing time:	approx. 20 minutes
Suitable for walking:	after approx. 2 hours
Waiting time before laying:	up to 5 mm layer thickness, after 6 hours up to 10 mm layer thickness, after 12 hours up to 30 mm layer thickness, after 24 hours
Storage time:	12 months; store in a cool and dry location, tightly seal any opened bags and use as soon as possible
Classification acc. to EN 13813:	CT-C35-F7

## Application and consumption<sup>8)</sup>

Trowel            approx. 1,5 kg/m<sup>2</sup>/mm layer thickness  
Rakel

8) Consumption is dependent on surface structure and absorbability of subfloor.

## Subfloors

The subfloor as well as the room climate conditions must meet the requirements of the applicable standards and data sheets. Subfloors must be permanently dry, solid, level, free from cracks, dirt and adhesion-inhibiting substances. Use a suitable mechanical procedure to remove separating layers.

Prime cement paving, calcium sulphate concrete, concrete and other absorbent subfloors with WAKOL D 3004 Primer Concentrate, diluted 1:2 with water, or with WAKOL D 3003 Dispersion Primer. Always comply with primer drying times.

New, well sanded, standardised cast asphalt concrete does not require a primer. Prime used and poorly sanded mastic asphalt concrete as per the relevant standard, and prime old subfloors that have old, waterproof adhesive residues with WAKOL D 3004 Primer Concentrate, diluted with water at a ratio of 1:1, or with WAKOL D 3003 Dispersion Primer.

## Usage

Stir WAKOL Z 610 Levelling Compound, dust-reduced in a clean stirring vessel with approx. 6,0 - 6,25 l clear, cold tap water until free of lumps. The mixing device must not exceed 600 rpm.

Apply stirred compound with dripper, smoothing trowel or knife uniformly to the subfloor in the desired layer thickness. Before applying the levelling compound, check whether a sufficiently sized edge strip is available.

Protect the levelling compound layer from direct sunlight and draughts while it sets.

## Important

Processing not below floor temperature of +15 °C and room temperature of +18 °C, as well as room humidity preferably between 40 % and 65 %, maximum 75 %. All information is based on approx. 20 °C and 50 % relative air humidity. Warm up all laying materials in due time in heated room.

Observe 2 mm minimum layer thickness on non-absorbent subfloors.

For levelling work with layer thickness above 5 mm on moisture-sensitive subfloors such as calcium sulphate screed or gypsum fibreboards prime using a Wakol reaction resin. Please consult the corresponding data sheet.

The layer thickness permitted on mastic asphalt (IC10 and IC15) is max. 5 mm; WAKOL A 830 Levelling Compound should be used for layers that are thicker than this.

For applying levelling compound on wooden subfloors that are rigidly bolted or glued to the subfloor, only use WAKOL Z 610 Levelling Compound, dust-reduced, WAKOL Z 615 Levelling Compound, dust-reduced, WAKOL Z 625 Levelling Compound, WAKOL Z 630 Levelling Compound or WAKOL A 830 Levelling Compound in combination with WAKOL AR 114 Reinforcement Fibres..

Do not sand levelling compound before laying parquet in order to ensure the best possible adhesion.

When used as a floor covering, a suitable surface treatment must be applied.

We recommend the use of Loba products that are marked with the Connected Systems for levelling compounds.

Please contact the Application Technology department beforehand for details about the processing of the levelling compound when used as a floor covering.

We guarantee the uniform high quality of our products. All data is based on tests and many years of practical experience and refers to standardised conditions. The variety of materials used and the different construction site conditions, which lie beyond our control, preclude any claims based on this data. We therefore recommend making sufficient trials. Accompanying flooring manufacturer's instructions and the currently applicable codes must be observed. We gladly provide technical advice.

The product data sheets can be found in their latest version at [www.wakol.com](http://www.wakol.com).

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