

WAKOL Z 645 Filling Compound, dust-reduced

Technical Information

Area of application

Stable cement-based levelling compound for smoothing out unevenness in layer thicknesses of 1 - 50 mm for

- Rough smoothing of uneven areas
- Levelling steps on stairways
- Door thresholds
- Repairing severely damaged screed

indoors.

WAKOL Z 645 Filling 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
- under parquet from 2 mm layer thickness
- stable

- 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) Suitable for underfloor heating
- 6) Suitable for exposure to castor wheels

Technical data

Raw material base:

Special cement/quartz mixture with special plastic additives

Material composition:

Special cements

	Mineral fillers Redispersible polymer powder Additives
Strength of coating:	undiluted processing up to 10 mm elongated processing 10 - 20 mm with additives up to max. 65 by weight % (aggregation: WAKOL S 25 Elongating Sand or quartz sand 0 - 3 mm) and 20 - 50 mm with additives up to max. 100 by weight % (aggregation: Screed sand 0 - 8 mm)
Mixture:	approx. 6,75 - 8 l water + 25 kg WAKOL Z 645 Filling Compound
Processing time:	approx. 15 minutes
Suitable for walking:	after approx. 30 minutes
Waiting time before laying:	after approx. 60 minutes
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-C30-F7
Application and consumption ⁷⁾	
Trowel	approx. 1,3 kg/m ² /mm ²

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

Subfloors

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 L Z 645 Filling Compound, dust-reduced in a clean stirring vessel with approx. 6,75 - 8 l clear, cold tap water until free of lumps. The mixing device must not exceed 600 rpm. Apply stirred compound with dripper or smoothing trowel uniformly to the subfloor in the desired layer thickness. Before applying the levelling compound, check whether a sufficiently sized edge strip is available.

If a second application of levelling compound is required, the first dried layer must be primed with WAKOL D 3004 Primer Concentrate, diluted 1:2 with water, or with WAKOL D 3003 Dispersion Primer. After a sufficient drying period, the second layer can be applied.

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.

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 850 Filling Compound should be used for layers that are thicker than this.

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.

This Technical Information of 16.06.2023 supersedes all previous versions.