WAKOL Z 680 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 - 10 mm thick underneath

- Textile flooring
- Elastic flooring

indoors.

Special Features

1) 2) 3) 4) 5) 6)

- chromate reduced according to REACH
- suitable for chair castors from a layer thickness of 1 mm
- can be applied with a rakel
- self-levelling
- can be pumped

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:	cement/quartz mixture, treated with synthetic resin
Strength of coating:	non-elongated processing up to 10 mm
Mixture:	approx. 6.0 - 6.25 l water + 25 kg WAKOL Z 680 Levelling Compound, dust-reduced
Processing time:	approx. 25 minutes
Suitable for walking:	after approx. 2 - 3 hours

Waiting time before laying:	up to 3 mm layer thickness, after 24 hours up to 5 mm layer thickness, after 48 hours up to 10 mm layer thickness, after 72 hours
Storage time:	6 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-C25-F7

Application and consumption[7)]

Dripper Rakel approx. 1,5 kg/m²/mm layer thickness

7) 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.

Depending on their type and condition, subfloors must be primed with a suitable Wakol primer. Drying times and application instructions for the primers can be found in the technical information for the relevant primer.

Usage

Stir WAKOL Z 680 Levelling Compound, dust-reduced in a clean stirring vessel with approx. 6,0 l clear, cold tap water until free of lumps. The mixing device must not exceed 600 rpm. Leave the compound to stand for approx. 1 minutes before briefly mixing it again.
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.

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The layer thickness permitted on mastic asphalt (IC10 and IC15) is max. 5 mm; WAKOL A 830 Levelling Compound or WAKOL Z 515 Thin Screed should be used for layers that are thicker than this.

WAKOL Z 680 Levelling Compound, dust-reduced is not suitable for subsequent parquet bonding.

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 Fibre or WAKOL Z 515 Thin Screed.

If water is absorbed too quickly (due to high floor temperatures, drafts, or highly absorbent subfloors), there is a risk of cracking and surface irregularities. The freshly applied levelling compound must be protected from drying out too quickly and should preferably be covered with flooring within 10 days. If laying within this period is not possible, the surface must be covered with PE film (construction foil 0.2 mm) or PE-coated paper ("milk carton paper").

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 current national standards 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 25.08.2026 supersedes all previous versions.

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