

WAKOL Z 515 Thin Screed

Technical Information

Area of application

Very low-tension, self-levelling, cement-based thin screed, for offsetting unevenness in layer thicknesses between 3 - 30 mm unextended, up to 10 - 50 mm extended, under

- Textile flooring
- Elastic flooring
- Parquet (minimum thickness of 3 mm)

indoors.

Special properties



- suitable for chair castors from a layer thickness of 3 mm
- very low tension
- can be pumped
- chromate reduced according to REACH
- self-levelling

- 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:	Mineral binding agent, synthetic resins
Strength of coating:	undiluted processing up to 30 mm elongated processing 10 - 50 mm with approx. 8 kg WAKOL S 25 Elongating Sand, per sack WAKOL Z 515 Thin Screed
Mixture:	approx. 4,25 l water + 25 kg WAKOL Z 515 Thin Screed

Processing time:	approx. 25 minutes
Suitable for walking:	approx. 2 hours
Waiting time before laying:	after 24 hours in all layer thickness
Storage time:	12 months; store in a cool and dry location
EN 13818:2002:	CT-C35-F7

Application and consumption⁷⁾

Trowel or rakel approx. 1,7 kg/m²/mm

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, 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 worn and poorly sanded cast asphalt concrete (according to standard) with WAKOL D 3004 Primer Concentrate, diluted 1:1 with water, or with WAKOL D 3003 Dispersion Primer.

Usage

Stir WAKOL Z 515 Thin Screed in a clean stirring vessel with approx. 4,25 l clear, cold tap water until free of lumps. The mixing device must not exceed 600 rpm. Using a pin knife, dripper or smoothing trowel, uniformly apply stirred compound to the subfloor in the desired layer thickness (at least 3 mm). We recommend using a spiked roller as well. 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.

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 permissible layer thickness on mastic asphalt (IC10 and IC15) is max. 10 mm, undiluted, and max. 20 mm, diluted.

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 Z 830 Levelling Compound in combination with WAKOL AR 114 Reinforcement Fibre.

Do not sand WAKOL Z 515 Thin Screed before laying parquet in order to ensure the best possible adhesion.

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 31.08.2023 supersedes all previous versions.