

WAKOL Z 520 Thin Screed, fibre-reinforced

Technical Information

Area of application

Fibre-reinforced, very low-tension, self-levelling, cement-based thin screed, for offsetting unevenness in layer thicknesses between 3 - 40 mm

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

for internal use.

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
Mixture:	3,5 - 3,75 l water + 22 kg WAKOL Z 520 Thin Screed, fibre-reinforced
Working time:	approx. 30 minutes
Suitable for walking:	approx. 2 hours
Waiting time before laying:	3 - 5 mm minimum 6 hours > 5 mm up to 40 mm minimum 48 hours for all flooring and parquet

Storage time: 12 months; store in a cool and dry location

Storage temperature: not sensitive to frost

EN 13818:2002: CT-C30-F8

Application and consumption⁷⁾:

Trowel or rake approx 1,8 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.

When applying WAKOL Z 520 Thin Screed, fibre-reinforced to wooden floors like plywood a maximum levelling thickness of 6 mm is possible. Use WAKOL D 3045 Special Primer on wooden floors exclusively.

New, well sanded, standardized cast asphalt concrete does not require a primer when applying to a maximum depth of 10 mm. Prime worn and poorly sanded cast asphalt concrete with WAKOL D 3004 Primer Concentrate, diluted 1:1 with water, or with WAKOL D 3003 Dispersion Primer.

Usage

Stir WAKOL Z 520 Thin Screed, fibre-reinforced in a clean mixing vessel with 3,5 - 3,75 litres of 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 the mixed compound to the subfloor in the desired layer thickness (at least 3 mm). We recommend using a spiked roller.

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. Acclimatize all laying materials before installation in these conditions.

When applying the levelling compound in a layer thickness over 5 mm on calcium sulphate-bonded screeds, use only Wakol reaction primer such as WAKOL PU 280 Polyurethane Primer. Please consult the corresponding data sheet for further details.

The permissible layer thickness over timber substrates is 6 mm, over mastic asphalt (IC10 and IC15) the max. is 10 mm.

We guarantee the uniform high quality of our products. All data is based on tests and many years of practical experience and refers to standardized 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 15.09.2023 supersedes all previous versions.