

WAKOL Z 560 Rapid Screed

Technical Information

Area of application

Fast-drying, low-tension cement-based screed for use in layer thicknesses between 20 - 60 mm for

- Repairing and restoring screed flaws and imperfections
- Manufacturing compound screeds (screed thickness at least 20 mm)
- Manufacturing screeds on separating layers (screed thickness at least 35 mm)
- Manufacturing screeds on insulation layers (screed thickness at least 35 mm)

indoors.

Special properties



- Suitable for walking after 3 hours
- Ready for laying floor coverings and parquet flooring after 24 hours
- chromate reduced according to REACH
- Suitable for manufacturing screeds with integrated underfloor heating

- 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
Strength of coating:	20 - 60 mm in einem Arbeitsgang
Mixture:	approx. 1,8 l water + 25 kg WAKOL Z 560 Rapid Screed
Processing time:	after approx. 60 minutes

Suitable for walking:	nach ca. 3 Stunden
Coverable:	after approx. 3 - 4 hours
Waiting time before laying:	after approx. 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-F6

Application and consumption⁷⁾

Trowel ca. 1,85 kg/m²/mm
Smoothing device

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

Subfloors

The corresponding standards and data sheets apply to the execution of the screed work. Insulation layers must be approved for use under screeds.

The subsurface must be grouted for the production of compound screeds. For this purpose, add a partial amount of WAKOL Z 560 Rapid Screed to WAKOL D 3004 Primer Concentrate and apply to the subsurface using a brush or swab. The screed must be cast into the freshly grouted surfaces within 45 minutes. Surface areas which are already dried must be reworked.

For repair work grout the flanks of the old screed as described above and apply WAKOL Z 560 Rapid Screed to the freshly grouted surfaces.

Usage

Stir WAKOL Z 560 Rapid Screed in a clean stirring vessel with approx. 1,8 l clear, cold tap water until free of lumps. The mixing device must not exceed 600 rpm. The processing can also be done with normal screed mixers, mixing and conveying machines or in the forced action mixer.

Allow for contraction joints and expansion joints as with conventional cement-based screeds (maximum side lengths

WAKOL Z 560 Rapid Screed can be applied up to 60 mm in one work step. Following compression, further expansion up to 60 mm may occur, which also has to be compressed. Do not allow the screed between the layers to dry. Alternatively, the subsurface must be grouted as described above.

Protect the setting rapid screed against direct sunlight and draughts.

After drying cut screed areas crossways at separating layer or insulation layer, insert joint connector and bind with WAKOL PS 205 Cast Resin.

With the use of WAKOL Z 560 Rapid Screed in conjunction with warm water underfloor heating, the heating can be realised 3 days after application. Maintain a supply temperature

of 25 °C over 3 days and then bake out the screed for another 4 days at the maximum supply temperature (max. 65 °C).

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.

If a moisture measurement is required, then this is only possible with the CM device. The value is read approx. 1 minute after destruction of the calcium carbide vial. A further increase of the measured value is effected with chemically bonded water. Alternatively, after approx. 20 minutes the displayed value can also be corrected downwards by 1,5 CM%.

The floor is ready for laying when the screed residual moisture is ≤ 2 CM%.

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 15.06.2023 supersedes all previous versions.