

# WAKOL EP 219 Screed Binder

## Technical Information

### Area of application

Two-component epoxy resin binder in the system with WAKOL S 25 Elongating Sand for manufacturing epoxy resin screeds for

- Repairing and restoring screed flaws and imperfections
- Manufacturing compound screeds (screed thickness at least 15 mm)
- Manufacturing screeds on separating layers (screed thickness at least 25 mm)
- Manufacturing screeds on insulation layers (screed thickness at least 25 mm)

indoors.

### Special properties



1)



2)



3)

- water-free
- solvent-free as defined by TRGS 610

1) Epoxide resin products, CMR characteristics, sensitizing, low solvent content or totally solid

2) Suitable for underfloor heating

3) Suitable for exposure to castor wheels

### Technical data

Material composition:	epoxy resin, hardener component
Mixing ratio:	2,84 kg component A + 0,36 kg component B mixed with 25 kg of WAKOL S 25 Elongating Sand
Processing time:	approx. 60 minutes for the mixed mortar
Suitable for walking:	after 12 hours
Readiness for covering:	after 24 hours
Storage time:	12 months
Classification acc. to EN 13813:	SR-B2, in conjunction with WAKOL S 25 Elongating Sand up to SR-C35-F9

## Application and consumption<sup>4)</sup>

Trowel approx. 2,1 kg/m<sup>2</sup>/cm WAKOL EP 219 Screed Binder with 16 kg/  
Smoothing device m<sup>2</sup>/cm WAKOL S 25 Elongating Sand

4) 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.

The corresponding standards and data sheets apply to the execution of the screed work. Insulation layers must be approved for use under screeds and the compressibility must be < 2 mm.

For repair works, apply mixed WAKOL EP 219 Screed Binder (without sand) to the edges of the old screed and work in the mortar. Alternatively, harden the areas subsequently or rework with, e.g., WAKOL AR 116 Refurbishment Fibre Sheet. Expansion joints must be adopted in the surface covering.

## Usage

Open the container to remove the hardener tray. Open the lid of the hardener tray and pour entire content into the bottom part of the combination container (resin component). Mix WAKOL EP 219 Screed Binder well for 1-2 minutes, e.g. with WAKOL Double Paddle Mixer, until the material is homogeneous and streak-free.

Fill mixing container with WAKOL S 25 Elongating Sand and add the mixed WAKOL EP 219 Screed Binder within 5 minutes Intensive mixing of sand and binder with spiral agitator until a consistent mortar is achieved.

The "earth-moist" mortar can then be spread and stripped with levels and straighteners and manually compressed. Do not walk on the fresh area, smoothing with trowels or floats is not possible.

The remaining binder on tools can be cleaned with water in fresh state.

The parquet can be bonded directly with all Wakol MS or PU adhesives Fillings can be made with all Wakol levelling compounds directly on the epoxy resin screed.

## 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.

The use of other sands is possible as long as these have been thermally dried and correspond to the grading curves up to 2 mm (0.1 - 2.0 mm) or up to 3 mm (0.1 - 3.0 mm). The use

of other sands may lead to modified processing properties and technical properties (e.g. strength).

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](http://www.wakol.com).

This Technical Information of 12.07.2024 supersedes all previous versions.