

WAKOL A 830 Levelling Compound

Technical Information

Area of application

Self-levelling, calcium sulphate-based levelling compound for smoothing out unevenness in layers 1-20 mm thick, undiluted, and 10-30 mm thick, diluted, underneath

- Textile flooring
- elastic flooring
- Parquet (minimum thickness of 2 mm)

indoors.

WAKOL A 830 Levelling Compound can be processed in combination with WAKOL D 3060 Plastification Additive; for details, please refer to the technical information for the WAKOL D 3060 Plastification Additive.

WAKOL A 830 Levelling Compound is particularly well suited to calcium sulphate-bonded subfloors, drywall construction elements, wooden material tiles and mastic asphalt concrete.

Special properties



- suitable for chair castors from a layer thickness of 1 mm
- can be applied with a rakel
- extremely low tension
- 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) With the "Blue Angel" label for low emission laying materials according to RAL RAL – UZ 113
- 3) Emissions class according to French law
- 4) Calcium sulphate levelling compounds
- 5) Meets the requirements of the European Community
- 6) Suitable for underfloor heating
- 7) Suitable for exposure to castor wheels

Technical data

Raw material base:	Calcium sulphate
Material composition:	Calcium sulphate hemihydrate, low-chromate cement as per EU-VO 1907/2009 (REACH)
Strength of coating:	Undiluted processing from 1 to 20 mm Diluted processing from 10 to 30 mm For elongated processing, addition of max. 16 kg of quartz sand with grain size 0-3 mm is possible
Mixture:	approx. 6 l water + 25 kg WAKOL WAKOL A 830 Levelling Compound
Processing time:	approx. 25 minutes
Suitable for walking:	after approx. 2 hours
Waiting time before laying:	at a residual moisture level of < 0,5 CM %, after approx. 24 hours up to 3 mm, with an additional 24 hours' drying time for every additional mm up to 10 mm, above which a CM measurement is required
Storage time:	12 months; store in a cool and dry location, tightly seal any opened bags and use as soon as possible
Storage temperature:	not sensitive to frost
Classification acc. to EN 13813:	CA-C30-F7

Application and consumption⁸⁾

Trowel or rakel approx. 1,5 kg/m²/mm

8) 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.

Prime cement screed, concrete and other absorbent subfloors with WAKOL D 3040 Primer Concentrate, diluted with water at a ratio of 1:2, or with WAKOL D 3035 Dispersion Primer. Mechanically pre-treat and vacuum-clean calcium sulphate bonded screed subfloors according to the manufacturer's specifications or according to the currently applicable standards and data sheets, then prime with WAKOL D 3040 Primer Concentrate, diluted with water at a ratio of 1:2, or with WAKOL D 3035 Dispersion Primer. Leave the primer until visibly dry – no wet spots should be visible.

New, well sanded, standardised cast asphalt concrete does not require a primer. Prime used and poorly sanded mastic asphalt concrete as per the relevant standard, and prime

old subfloors that have old, waterproof adhesive residues with WAKOL D 3040 Primer Concentrate, diluted with water at a ratio of 1:1, or with WAKOL D 3035 Dispersion Primer.

Usage

Stir WAKOL A 830 Levelling Compound in a clean stirring vessel with approx. 6 l clear, cold tap water until free of lumps. The mixing device must not exceed 600 rpm. After leaving to stand for approx. 1 minutes, briefly mix the compound 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.

If a second application of levelling compound is required, the first dried layer must be primed with WAKOL D 3040 Primer Concentrate, diluted 1:2 with water, or with WAKOL D 3035 Dispersion Primer.

Work an environmental safety

Keep out of the reach of children. Ensure sufficient ventilation during use and drying! Avoid eating, drinking and smoking while applying the product and wear protective gloves. Immediately and thoroughly rinse eyes and skin with water in case of contact. Clean tools with soap and water immediately after use. Do not allow product to enter the sewage system, bodies of water or the ground. Information for allergic persons is available at +49 (0)6331/8001-311.

Disposal

Only empty containers are suitable for recycling. Dried material residue may be disposed of as household waste.

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 2mm minimum layer thickness on non-absorbent subfloors. The layer thickness permitted on mastic asphalt is max. 15 mm.

Parquet is suitable for laying on WAKOL A 830 Levelling Compound from 2 mm layer thickness if a drying time of at least 24 hours has been observed and Wakol MS Parquet Adhesives such as WAKOL MS 260 Parquet Adhesive, firm-elastic, or Wakol PU Parquet Adhesives such as WAKOL PU 225 Parquet Adhesive are used. The approvals for the adhesive used must be complied with. When laying the parquet do not grind the surface of the levelling compound.

Do not use WAKOL A 830 Levelling Compound under cork flooring; instead, use WAKOL Z 615 Levelling Compound, dust-reduced. For the conductive laying of thick flooring (such as PVC) on thick flooring levelled with WAKOL A 830 Levelling Compound (e.g. cast asphalt), special features must be kept in mind. Before laying, contact our Application Technology Department.

Because of the possibly corrosive effect, the contact to metallic building material, especially water pipelines, must be prevented for example through sealing up.

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 04.06.2020 supersedes all previous versions.