WAKOL PS 275 Concrete Repair Primer

Technical Information

Area of application

Ready-to-use primer for strengthening porous and generally brittle, absorbent cement subfloors indoors.

Special properties

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- solvent-free as defined by TRGS 610
- high penetration levels
- strong curing effect

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) Not applicable because emission characteristics substantially better than those of GISCODE S0,5
4) Suitable for underfloor heating
5) Suitable for exposure to castor wheels

Technical data

Raw material base:	modified sodium silicate
Cleaning agent:	fresh water
Drying time:	3 - 5 days
Storage temperature:	not below +5 °C, sensitive to frost
Storage time:	12 months at room temperature

Application and consumption[6)]

Velour roller	ca. 600 g/m²

6) 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 subfloor must be highly absorbent. To enable WAKOL PS 275 Concrete Repair Primer to penetrate the surface to a sufficient extent, it must be mechanically pre-treated, i.e. sanded using a grain of 16 or 24.

Usage

Shake primer well before using. Apply WAKOL PS 275 Concrete Repair Primer on the subfloor using a long-pile velour roller (8 - 16 mm pile length) and immediately recover any excess without letting the substance pool. Apply approximately 600 g/m² of WAKOL PS 275 Concrete Repair Primer and sprinkle the entire surface of the still fresh primer with WAKOL S 28 Sprinkling Sand.

After 3 to 5 days drying time, sand the surface intensively with grain 24 or 40 and remove the quartz sand by vacuuming. Depending on the absorbability of the subfloor, higher application quantities above 600 g/m² may be needed. This increases the drying time, in which case the readiness for laying must always be determined by means of CM measurement.

Subsequent bonding can be carried out using Wakol MS or PU parquet adhesives.

The curing effect is assessed using a PressoMess tool. For this purpose, prepare at least five test samples per test area. Prepare one test area for each 200 m² at least, or for each building section, storey or separate residential unit.

Parquet adhesive use, depending on the curing effect:

> 0,8 N/mm² Scherfestigkeit, direkte Klebung von Wakol-Entkopplungssystemen nach Rücksprache mit der Anwendungstechnik
> 1,5 N/mm² Scherfestigkeit, direkte Verlegung von Mosaikparkett (Würfel), Hochkantlamellenparkett und Mehrschichtparkett
> 2,0 N/mm² Scherfestigkeit, direkte Klebung von allen normgerechten Parkettarten

Levelling work, depending on the curing effect:

> 0.8 N/mm² shear strength, prime with WAKOL PU 280 Polyurethane Primer or WAKOL PU 235 Polyurethane Primer. Sprinkle the entire surface of the fresh primer with WAKOL S 28 Sprinkling Sand, or alternatively use WAKOL D 3045 Special Primer to apply a bonding course to the PU primer.
Level the surface to a minimum thickness of 2 mm using WAKOL Z 615 Levelling Compound, dust-reduced. Textile and elastic floor coverings and parquet can then be bonded.
For laying solid wood planks or wood blocks on the levelled area, shear strength of > 1.5 N/mm² of the screed is necessary.

In event of doubt, please consult the competent advisor or the Wakol Application Technology department.

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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.

Puddles can impair the adhesion of later layers, therefore it is essential to prevent the compounds from pooling. Hardened pools of WAKOL PS 275 Concrete Repair Primer must be mechanically removed before work is continued.

Do not use WAKOL PS 275 Concrete Repair Primer where high screed moisture levels are present or where moisture has built up in structures in contact with earth. WAKOL PS 275 Concrete Repair Primer is not suitable for use with calcium sulphate screed.

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 17.03.2020 supersedes all previous versions.

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