



ARDEX K 39

Reactivatable floor levelling compound

- For layer thicknesses up to 10 mm, stretched with sand up to 20 mm
- Excellent flow and self-levelling properties with long flow time
- Grindable
- Pumpable
- Long open time

ARDEX system product: Particularly secure bonding properties with ARDEX floor adhesives



Area of application

For indoor use, floors.

Smoothing and levelling cement, mastic asphalt and calcium sulphate screeds, concrete floors and other suitable substrates for laying elastic and textile floor coverings, tile coverings and parquet flooring.

Creation of smooth and level laying surfaces, especially for PVC and PVC design floor coverings and large-format tiles and slab coverings.

Art

Grey powder with special cements, selected mineral fillers and easily dispersible plastics.

When mixed with water, it forms a smooth, highly flowable mortar with excellent self-levelling and self-smoothing properties and a long working time of approx. 20 minutes.

The mortar can be processed for approx. 40 minutes (pot life) and can be walked on after approx. 2–3 hours.

ARDEX K 39 Reactivable floor levelling compound hardens by hydration and dries quickly to a low-tension mass, virtually eliminating the formation of cracks.

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Preparation of the surface

The substrate must meet the requirements of ÖNORM B 5236 Planning and execution of floor covering and wood flooring work. In particular, it must be level, permanently dry, solid, load-bearing, free of release agents and cracks, and resistant to tension and pressure, or must be prepared accordingly.

Cracks and joints must be filled properly and professionally, e.g. with ARDEX P 10 SR 2-K rapid repair resin or ARDEX FB casting resin.

Calcium sulphate self-levelling screeds must be pre-treated in accordance with the applicable planning and execution guidelines for self-levelling screeds

Suitable primers, such as ARDEX P 52 Priming Concentrate, should be used from the ARDEX range depending on the condition of the substrate.

Observe the technical data sheets for the corresponding products.

Processing

Pour clear water into a clean mixing container and stir vigorously, adding enough powder to produce a lump-free mortar.

To mix 25 kg of ARDEX K 39 powder for application on dense or pre-coated substrates, approx. 6.0 - 6.25 litres of water are required.

Manufacturer with certified
QM/UM system according to
EN ISO 9001/14001

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The mortar can be worked for approx. 40 minutes at +18°C to +20°C, with lower temperatures extending the working time and higher temperatures shortening it.

ARDEX K 39 is easy to trowel and flows so well that re-trowelling or sanding is usually unnecessary.

The mortar can be spread with a squeegee to level larger areas. Apply at least 2 mm thick on dense substrates. ARDEX K 39 mortar can be applied in layers up to 5 mm thick on mastic asphalt screeds of hardness classes IC10 and IC15.

Pumps

Screw, piston and continuous mixing pumps with a delivery rate of approx. 20 to 40 litres of mortar per minute are suitable for pumping the levelling compound. Cement slurry must not be used as a lubricating fluid. The machine and hoses must be cleaned after periods of inactivity exceeding 30 minutes.

Mortar application

ARDEX K 39 mortar can be applied unstretched in a single coat up to a thickness of 10 mm. For layer thicknesses above 10 mm up to a maximum of 20 mm, the mortar can be stretched as follows:

Washed mixture:

Sand, grain size 0 - 2 mm, 1 RT mortar : 0.3 RT mixture

Washed mixture:

Sand, grain size 0 - 3 mm, 1 RT mortar : 0.3 RT mixture

Please note

ARDEX K 39 cannot be used outdoors or in permanently wet areas.

ARDEX K 39 has excellent self-levelling and self-smoothing properties, with a long working time (approx. +20°C) on pre-

coated substrates with layer thicknesses from approx. 2.5 mm.

In case of doubt, test areas should be created.

In general

The ARDEX K 39 layer can be walked on after approx. 2–3 hours at +18°C to +20°C. Any necessary subsequent filling should be carried out immediately after the surface is walkable. If the surface of the ARDEX K 39 layer has already dried, a primer coat of ARDEX P 52 or ARDEX P 51 Adhesive and Priming Dispersion, diluted 1 : 3 with water, must be applied before subsequent filling.

ARDEX K 39 dries and hardens quickly. Levelling layers up to 5 mm are ready for tiling after one day at +18°C to +20°C. In layer thicknesses up to 10 mm, drying is complete after two days.

Tile coverings can be laid once the surface is walkable. For natural stones that are sensitive to moisture, wait until the surface is dry.

ARDEX K 39 Reactivatable floor compound must be processed at temperatures above +5°C. The compound layer must be protected from premature drying due to solar radiation and drafts.

Note

The information in our safety data sheets must be observed.
For commercial use only!

Zusatzinformation

Handle with care during processing: avoid dust formation and release into the environment.

Dispose of the container and its contents in a sealed state in accordance with applicable local/regional/national/international regulations.

Technical data according to ARDEX quality standard

Mixing ratio approx.	Component A 6.0 - 6.25 l Water 1 Part water	Component B 25 kg powder 3.25 RT powder	
Material requirements	1.5 kg powder per m² and mm		
Bulk density approx.	1,20 kg/l		
Fresh weight approx.	1,90 kg/l		
Application properties			
Processing time approx.	40 Minute(s)		
Can be walked on after approx.	2 - 3 Hour(s)		
Ready for laying after approx.	Covering Tiles	Thickness 5 mm	Duration 2 - 3 Hours
	Other coatings	10 mm	1 Day
			2 Days
Application Ambient conditions	+20°C		

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Mechanical properties

Bending tensile strength approx.	Time	Bending tensile strength approx.
	After 1 day	2 N/mm ²
	After 7 days	7 N/mm ²
	After 28 days	9.5 N/mm ²
Compressive strength approx.	Time	Compressive strength of approx.
	After 1 day	6 N/mm ²
	After 7 days	29 N/mm ²
	After 28 days	37 N/mm ²

Product details

Suitable for underfloor heating	Yes
Chair castor suitability	Yes
Labelling according to GHS/CLP	See relevant safety data sheet
Labelling according to ADR	See relevant safety data sheet
EMICODE	EC 1 PLUS = very low emissions PLUS
GISCODE	ZP1 = cementitious product, low chromate content
Packaging	Sacks containing 25 kg net
Storage	Can be stored in dry rooms for approx. 12 months in the original sealed container.

