



ARDEX K 71

Thick layer levelling

- Universally applicable
- Very low tension
- Self-levelling
- High final strength
- Pumpable
- For layer thicknesses of 3-50 mm

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



Area of application

Indoor. Floor.

Thick layer levelling for levelling:

- Cement screed and concrete floors
- Calcium sulphate screed
- Old substrates with firmly adhering, waterproof adhesive residues
- Mastic asphalt screed
- Magnesite screed
- Dry screed elements
- Ceramic tiles and slabs
- Terrazzo floors
- and other suitable substrates

For subsequent laying of textile and elastic floor coverings such as design flooring/LVT, rubber coverings, linoleum, PVC and CV coverings, ready-made and solid parquet, ceramics, natural stone and large-format tiles.

Art

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

ARDEX Baustoff GmbH
Hürmer Straße 40
A-3382 Loosdorf
AUSTRIA
+43 (0) 2754/7021-0
+43 (0) 2754/2490
office@ardex.at
www.ardex.at

Preparation of the surface

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

Cracks and joints must be repaired 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 Concentrated Primer, 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.

Approximately 4.5 litres of water are required to mix 25 kg of ARDEX K 71 powder.

ARDEX K 71

Thick layer levelling

ARDEX K 71 can be processed for approx. 25 minutes at +18°C to +20°C, with lower temperatures extending the working time and higher temperatures shortening it.

On mastic asphalt screeds of hardness classes IC10 and IC15, ARDEX K 71 thick-layer levelling compound can be applied up to a layer thickness of 5 mm.

ARDEX K 71 can be applied up to a layer thickness of 10 mm on dry screed elements that are 2-layer, bonded and screwed.

If elastic or textile floor coverings are to be laid, a fine levelling compound from the ARDEX range may be required.

Pumps

Spiral pumps, reciprocating pumps and continuously working mixing pumps with a delivery rate of approx. 20–40 litres of mortar per minute are suitable for pumping the mortar. Cement slurry must not be used as a lubricating fluid. The machine and hoses must be cleaned after periods of inactivity exceeding 30 minutes.

Layer thicknesses

ARDEX K 71 can be applied undiluted in a single coat up to a thickness of 30 mm.

Mixing ratio

For layer thicknesses above 10 to 30 mm, the mortar can be extended with sand. Above 30 mm to max. 50 mm, the mortar must be extended with sand.

Mixing material / washed	Grain size	Mixing ratio	
		Mortar	Mixing material
ARDEX quartz sand	0.3-0.9 mm	1.0 RT	0.25 RT
Sand	0-4 mm	1.0 RT	0.25 RT
Sand	0-8 mm	1.0 RT	0.25 RT

Please note

ARDEX K 71 cannot be used outdoors or in permanently wet areas.

ARDEX K 71 thick-layer levelling compound should be applied at temperatures above +5°C.

If in doubt, apply to a test area first.

In general

The ARDEX K 71 layer can be walked on after approx. 2 hours at +18°C to +20°C and, with a layer thickness of 10 mm and +20°C and 65% relative humidity, is ready for covering after 12 hours. Tiles can be laid once the surface is walkable. For natural stone that is sensitive to moisture, wait until it is dry.

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 4.5 l Water	Component B 25 kg powder	
Material requirements	1.7 kg powder per m² and mm		
Bulk density approx.	1,40 kg/l		
Fresh weight approx.	2,10 kg/l		
Application properties			
Processing time approx.	25 Minute(s)		
Can be walked on after approx.	2 Hour(s)		
Ready for laying after approx.	Covering	Thickness	Duration
	Tiles		2 Hours
	Other coatings	3 - 20 mm	24 Hours
	Other coatings	20 - 50 mm	48 Hours
Application Ambient conditions	+20°C		

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Mechanical properties

Bending tensile strength approx.	Time After 1 day After 28 days	Bending tensile strength approx. 3 N/mm ² 7 N/mm ²
Compressive strength approx.	Time After 1 day After 28 days	Compressive strength of approx. 10 N/mm ² 30 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.

