



ARDEX K 15

Smoothing and surfacing compound

- With ARDURAPID® effect
- With optimised processing properties and improved yield
- Self-levelling
- Produces surfaces ready for installation in a single operation
- Crack-free even in thick layers
- Pumpable

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



Area of application

For indoor use, floors.

For filling, levelling and smoothing cement and calcium sulphate screeds and other substrates, for use with textile and elastic floor coverings, tiles and panels, and Parquet flooring.

Compound levelling of concrete floors and raw concrete ceilings when laying appropriate floor coverings in all areas and as a wear layer in basements and attics.

Self-smoothing, pumpable, crack-free even in thick layers.

Art

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

With ARDURAPID effect, which ensures rapid hydraulic hardening and complete crystalline water binding.

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 it 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 screeds must be sanded and vacuumed. Suitable primers, such as ARDEX P 52 Concentrated Primer, must be used from the ARDEX range depending on the condition of the substrate.

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

Observe the technical data sheets for the primers.

Processing

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

Approximately 6.25 litres of water are required to mix 25 kg of ARDEX K 15 powder.

The mortar can be worked for approx. 30 minutes at +18°C to +20°C, with lower temperatures extending the working time and higher temperatures shortening it.

ARDEX K 15 smoothing and surfacing compound is easy to apply with a trowel and flows so well that re-trowelling or sanding is usually unnecessary.

For levelling and as a thin screed, the compound is simply spread with a squeegee; it levels and smoothes itself. Apply at least 2 mm thick on dense substrates.

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Pumps

On larger construction sites, ARDEX K 15 mortar can be applied using screw or piston pumps that deliver approx. 40 litres of mortar per minute. If ARDEX K 15 mortar mixed with sand is pumped, the material hoses must be lubricated with a mixture of one bag of ARDEX K 15 and approx. 6.25 litres of water before pumping the mortar. Cement slurry must not be used as a lubricating fluid. The machine and hoses must be cleaned if the mortar is left to stand for more than 30 minutes.

Mortar application

ARDEX K 15 mortar can be applied unmixed in a single coat up to a thickness of 10 mm. For layer thicknesses greater than 10 mm, the mortar can be mixed as follows:

Mix / washed	Grain size	Mixing ratio mortar	Mixing ratio Mix
Sand	0-4 mm	1.0 RT	0.3 RT
Sand	0-8 mm	1.0 RT	0.5 RT
Gravel	4-8 mm	1.0 RT	1.0 RT

Please note

ARDEX K 15 cannot be used outdoors or in permanently wet areas.

Our ARDEX K 60 latex based levelling and smoothing compound is suitable for levelling work on mastic asphalt.

In case of doubt, test areas should be created.

In general

The ARDEX K 15 smoothing and surfacing compound can be walked on after 2 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 15 layer has already dried, a primer coat of ARDEX P 51 Bonding and Priming Dispersion or ARDEX P 52 diluted 1:3 with water must be applied before re-coating.

ARDEX K 15 dries and hardens quickly; even thick layers are ready for laying after 1 day at +18°C to +20°C.

ARDEX K 15 smoothing and surfacing compound must be applied 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 6.25 l Water 1 Part water	Component B 25 kg powder 3.5 RT powder
Material requirements	1.4 kg powder per m ² and mm	
Bulk density approx.	1,20 kg/l	
Fresh weight approx.	1,80 kg/l	

Application properties

Processing time approx.	30 Minute(s)		
Can be walked on after approx.	2 Hour(s)		
Ready for laying after approx.	Covering Tiles	Thickness 5 mm 10 mm	Duration 2 Hours 12 Hours 24 Hours
Application Ambient conditions	+20°C		

Mechanical properties

Bending tensile strength approx.	Time After 1 day After 3 days After 7 days After 28 days	Bending tensile strength approx. 5 N/mm ² 6 N/mm ² 7 N/mm ² 10 N/mm ²
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Compressive strength approx.	Time	Compressive strength of approx.
	After 1 day	15 N/mm ²
	After 3 days	20 N/mm ²
	After 7 days	25 N/mm ²
	After 28 days	35 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 = very low emissions
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.

