



ARDEX A 45 NEW

Stable fine filling compound

- With ARDURAPID® effect
- For finishing fillers, can be extended to zero
- For levelling and repairing stair treads and landings
- Quick-drying

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



Area of application

For indoor use, floors.

Levelling and repairing stair treads and landings.

Filling holes, depressions and breakouts in floor screeds and concrete floors.

Filling height differences and unevenness on all suitable substrates.

Art

Grey powder with special cements, selected fillers and easily dispersible plastic powders.

When mixed with water, it forms a smooth, stable mortar that can be worked for approx. 15 minutes.

The mortar hardens quickly through hydration and drying to form a low-tension mass.

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-component rapid repair resin or ARDEX FB casting resin.

ARDEX A 45 NEW adheres to almost all non-absorbent and waterproof substrates.

Calcium sulphate self-levelling screeds must be primed with ARDEX P 52 Priming Concentrate or ARDEX P 51 Adhesive and Priming Dispersion diluted with water in a ratio of 1 : 3.

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

Smooth and dense substrates such as Terrazzo, tiles and slab coverings as well as wooden substrates must be primed with ARDEX P 52 diluted 1 : 1 ½ with water or ARDEX P 4 READY Multifunctional Primer.

ARDEX P 4 READY should be used on insufficiently sanded mastic asphalt screeds and paint coatings.

Old adhesive residues must be waterproof.

Observe the technical data sheets for the primers, even when using ARDEX P 51.

Processing

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

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

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Approximately 3.4–4 litres of water are required to mix 12.5 kg of ARDEX A 45 NEW powder.

The mortar can be worked for approx. 15 minutes at +18°C to +20°C. Lower temperatures extend the working time, higher temperatures shorten it.

ARDEX A 45 NEW is particularly suitable for restoring worn and damaged stair treads. Tread and riser steps can be levelled and filled. Approximately 15 minutes after applying the mortar, finishing work such as felting and plastering, removing burrs, cutting edges on stair treads or smoothing with ARDEX A 45 NEW stable fine-filling compound can be carried out.

ARDEX A 45 NEW can be applied in layer thicknesses of 0 to 10 mm in a single operation, on mastic asphalt screeds and old adhesive residues max. 2 mm.

For large-area levelling and filling work over 10 mm, the mortar must be extended with sand of 0–4 mm grain size, mixing ratio 1 part mortar : 0.3 parts sand.

Please note

The applicable standards and data sheets must be observed when carrying out the work.

ARDEX A 45 NEW cannot be used outdoors or in permanently wet areas.

If in doubt, carry out a test on a small area first.

In general

The ARDEX A 45 NEW layer can be walked on after approx. 60 minutes 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 A 45 NEU layer has already dried, a primer coat of ARDEX P52 diluted 1:5 with water must be applied before re-coating.

ARDEX A 45 NEU stable fine-filling 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 3.4 - 4 l Water 1 Part water	Component B 12.5 kg powder 2.5 RT powder
Material requirements	1.25 kg powder per m² and mm	
Bulk density approx.	1,30 kg/l	
Fresh weight approx.	1,70 kg/l	
Application properties		
Processing time approx.	15 Minute(s)	
Can be walked on after approx.	1 Hour(s)	
Application Ambient conditions	+20°C	
Ready for laying after approx.	1 Hour	
Mechanical properties		
Bending tensile strength approx.	Time After 1 day After 7 days After 28 days	Bending tensile strength approx. 5.0 N/mm² 6.0 N/mm² 7.0 N/mm²
Compressive strength approx.	Time After 1 day After 7 days After 28 days	Compressive strength of approx. 21 N/mm² 29 N/mm² 35 N/mm²
Product details		
Suitable for underfloor heating	Yes	

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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
Packaging	Bags containing 12.5 kg net, with practical carrying handle
Storage	Can be stored in dry rooms for approx. 12 months in the original sealed container.

