



ARDEX AM 70

Levelling mortar and plaster

- Low tension
- Universally applicable
- For layer thicknesses of 3-30 mm
- Long working time
- Pumpable
- Can be felted and smoothed



Area of application

Outdoor and indoor. Wall and ceiling.
Indoor floor areas (living areas only).

- Repairing and filling wall and ceiling surfaces, filling larger depressions, plastering and skimming deep cavities to accommodate tiles, panels and other coverings and paint coatings
- Levelling walls and ceilings
- Closing joints in precast concrete ceilings
- Levelling floor areas indoors only, for laying tiles, slabs and natural stone.

Art

Grey powder made from special cements and easily dispersible plastics, as well as selected lightweight fillers.

Preparation of the surface

The substrate must be dry, solid, load-bearing and free of dust, dirt and other separating agents. Highly absorbent substrates must be pre-wetted or primed. Old, poorly adhering or weakly bonded paint coatings as well as loose plaster and wallpaper must be removed. Smooth concrete surfaces must be roughened by sandblasting, shot blasting or milling if necessary. We recommend priming the surfaces afterwards to bind dust.

Suitable substrates:

Concrete, aerated concrete, brickwork, sand-lime brick, gypsum boards, gypsum fillers, gypsum mortars and lime-cement mortars.

Gypsum boards, gypsum fillers and gypsum mortars can be coated up to a maximum of 5 mm.

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Substrates	without primer	with primer*)
Aerated concrete	✓	
Concrete	✓	
Brickwork	✓	
Gypsum board		ARDEX P 51 ARDEX P 52 ARDEX P 4 READY
Lime sandstone	✓	
Gypsum filler		ARDEX P 51 ARDEX P 52 ARDEX P 4 READY
MG 2 lime cement mortar	✓	
MG 3 Cement mortar	✓	
MG 4 Gypsum mortar		ARDEX P 51 ARDEX P 52 ARDEX P 4 READY

Processing

Mixing:

Manual application

Approximately 5.25 litres of water are required to mix 25 kg of ARDEX AM 70 powder. To improve the processing quality, stir the mortar again after a maturation time of 1 minute.

Machine application

For processing ARDEX AM 70 with suitable mixing and delivery pumps, such as PFT Ritmo Plus, the water must be added to achieve the correct consistency. After mixing, the mortar can be processed at +20°C for approx. 60 minutes and can be applied immediately in layers of 3 mm to 30 mm.

Through hydration, the mortar layer hardens after approx. 2 hours to such an extent that finishing is possible. To produce smooth surfaces, the mortar application is either smoothed after setting or rubbed evenly using a sponge board and, if necessary, wiped sharply with a trowel.

The powder is mixed with water to form a smooth, stable mortar that can be easily applied in thin and thick layers. The mortar is low tension and permeable to diffusion after drying. Higher temperatures shorten the setting time, lower temperatures prolong it.

ARDEX AM 70 should be applied at temperatures above +5°C.

Tiles can be laid after the compound layers have hardened sufficiently, at +20°C, after

approx. 3 – 4 hours. Moisture-sensitive natural stones and large formats in accordance with TMB 7 from ÖFV can be laid after the levelling layer has dried completely. This also applies to the application of paint coatings, wallpaper, synthetic resin plasters or other coverings. The drying time depends on the layer thickness of the levelling compound, the prevailing weather conditions and the moisture content of the substrate. Under optimal climatic conditions, +20°C and 60% relative humidity, the drying time of ARDEX AM 7 is approx. 24 hours. Weather conditions and the moisture content of the substrate. Under optimal climatic conditions, +20°C and 60% humidity, the drying time of ARDEX AM 70 is approx. 24 hours per 5 mm layer thickness.

Substrates that are still damp can cause efflorescence. The processing recommendations provided by the paint manufacturers for paint coatings on cement-bound substrates must be observed, regardless of whether the compound is applied over the entire surface or only in certain areas. Do not fluate ARDEX AM 70 compound layers.

For decorative techniques, we recommend using ARDEX R 1 Renovation Filler.

Please note

Indoors, ARDEX AM 70 can be recoated with ARDEX A 828 (COMFORT), ARDEX A 826 or ARDEX R 1 and outdoors with ARDEX B 12, ARDEX F 11 or ARDEX F 3.

The processing recommendations for paint coatings, wallpaper, dispersion plasters and wall coverings must be observed.

ARDEX AM 70 is not suitable for use as a base coat plaster.

In case of doubt, carry out a test on a small area.

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 5.25 l Water	Component B 25 kg powder
Material requirement approx.	Material requirements 1.30 kg/m ²	Condition Per mm order thickness
Bulk density approx.	1,40 kg/l	
Fresh weight approx.	1,60 kg/l	
Application properties		
Processing time approx.	60 Minute(s)	

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Mechanical properties

Bending tensile strength approx.	Time After 7 days After 28 days	Bending tensile strength approx. 1.5 N/mm ² 2 N/mm ²
Compressive strength approx.	Time After 7 days After 28 days	Compressive strength of approx. 5 N/mm ² 7 N/mm ²

Product details

Suitable for underfloor heating	Yes
PH value approx.	11.5
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.

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ARDEX Baustoff GmbH Hürmer Straße 40 A-3382 Loosdorf Austria	
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EN 998-1:2016	
ARDEX AM 70 General purpose mortar (GP) for internal and external use EN 998-1: GP-CS IV-W ₁	
Reaction to fire:	A1
Water absorption:	W ₁
Water permeability after weathering cycles:	NPD
Water vapour diffusion:	≤ 25
Adhesion:	≥ 0,5 N/mm ² , fracture pattern B
Adhesion after weathering cycles:	NPD
Thermal conductivity/Density:	0.50 W/(m*K) (P = 50 %)
Thermal conductivity (for heat insulating mortar):	NPD
Durability of OC mortar:	NPD
Durability of all mortars except OC:	Evaluation based on provisions valid in the intended place of use of the mortar
Dangerous substances:	see safety data sheet