



ARDEX A 35 MIX

Quick-setting mortar

- With ARDURAPID® effect
- Walkable after 3 hours
- Ready for laying after 1 day and fully usable
- For producing quickly usable and ready-to-lay cement screeds in composite, on a separating layer, on an insulating layer
- For repair work on cement screeds
- For laying natural stone slabs without discolouration
- Meets the requirements of ÖNORM B 3732



Area of application

For indoor use, floors.

For producing cement screeds indoors

- in combination
- on a separating layer
- on insulation layer

For repairing and renovating cement screeds.

Discolouration-free laying of natural stone slabs made of marble, Jura marble, granite, quartzite and similar materials.

ARDEX A 35 MIX cement screeds can be walked on after just 3 hours and, when laid floating on a separating film, are ready for floor coverings after just 1 day.

For the execution of floor screeds, the general guidelines and standards for cement screeds, e.g. ÖNORM B 3732, apply. The fast hardening of ARDEX A 35 MIX rapid-setting mortar must be taken into account.

Art

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

Processing

Standard screed mixers are used to mix the mortar. The mixing ratio for a 100-litre mixer is:

- 150 kg ARDEX A 35 MIX = 6 original bags
- 12 litres of water

Mixing and pumping machines suitable for fast-setting screed mixtures, e.g. Putzmeister Mixokret, can be used for ARDEX A 35 MIX. The following quantities are then added to a 220-litre mixing and pumping tank:

- 300 kg ARDEX A 35 MIX = 12 original bags
- 24 litres of water

Smaller, mobile compulsory mixers, e.g. Dahm Rührfix, are also suitable for smaller areas and repair work. The mixing ratio for a 65-litre bucket is:

- 50 kg ARDEX A 35 MIX = 2 original bags
- 4 litres of water

Do not use any screed additives. Do not mix with other cements.

The processing time for ARDEX A 35 MIX is approx. 45 minutes. Mixing, application, levelling and smoothing must be carried out quickly. Higher temperatures shorten, lower temperatures extend the processing and hardening time.

Screed connections or partial areas are secured against height misalignment with round steel. False joints and expansion joints must be provided as with conventional cement screeds.

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

25.09.2025

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Composite screeds / bonding slurries:

The substrate must be pre-slurried.

ARDEX A 18 bonding slurry is used for this purpose. Observe the information in the Technical Data Sheet. The screed mortar must be applied fresh on top of the still moist bonding slurry.

As an alternative, ARDEX A 35 MIX 1 : 1 diluted with water ARDEX P 51 Adhesive and Priming Dispersion or ARDEX E 100 Wittener Baudispersion can be mixed and used to produce the bonding slurry.

Mixing ratio:

25 kg ARDEX A 35 MIX : 1.75 l water : 1.75 kg ARDEX P 51 or ARDEX E 100.

The bonding slurry is applied to the substrate and brushed in well. ARDEX A 35 MIX is applied to the still damp bonding slurry. If the substrate is very absorbent, it is first primed with ARDEX P 51 or ARDEX E 100 diluted 1 : 1 with water. The bonding slurry is applied wet on wet.

Repair work:

To create a strong bond, coat the edges of the old screed with ARDEX FB Casting Resin or ARDEX EP 2000 Multifunctional Epoxy Resin.

ARDEX A 35 MIX ready-mixed rapid screed mortar is applied to the fresh epoxy resin bonding agent.

All technical data provided are laboratory values and refer to a W/C ratio of 0.42 and sand with a grain size of 0 - 8 mm and a sieve line A8 - C8. If the W/C ratio and/or sand differ, a quality test is required. Regular quality testing with the sand actually used is recommended.

Ready for publishing

To check if it's ready to lay, which is after 1 day if done right, you should take measurements of the moisture.

Due to its specific properties and composition, the moisture content of ARDEX A 35 MIX cannot be determined with electrical measuring devices, but only with a CM device.

The pressure gauge should be read approx. 1 minute after breaking the ampoule, as waiting longer will result in chemically bonded water being measured, which is irrelevant for subsequent floor covering installation. The floor is ready for installation when the moisture content is $\leq 2\%$.

For floor screeds made with ARDEX A 35 MIX with hot water underfloor heating, the moisture content must not exceed 1.8% for all floor coverings.

To check the measurement, read the pressure gauge again after approx. 20 minutes, as with normal cement screeds. Then subtract approx. 1.5% from the moisture content measured in this way.

Flooring installation

ARDEX A 35 MIX is fully usable after just 1 day. Filling and levelling work can then be carried out, as can the laying of floor coverings, including parquet flooring, tiles and slabs.

For composite screeds that have been applied after priming the concrete floor, the entire structure must be allowed to dry before laying the covering.

Laying natural stone:

Natural stone must always be laid with ARDEX A 35 MIX in

combination with the load-bearing substrate, cement screed or concrete. To do this, apply the bonding slurry as described above and then apply ARDEX A 35 MIX laying mortar in the required height while still fresh.

Mixing ratio: 25 kg ARDEX A 35 MIX : 2.25 l water.

The mortar should only be applied to areas large enough to allow the tiles to be laid on the still-wet mortar bed and tapped into place.

For laying crystalline marble with a translucent character, the backs of the tiles are pre-coated with ARDEX N 23 W MICROTEC Natural Stone and Tile Adhesive, white, generously applied over the entire surface.

For natural stone tiles with a smooth or dense back, apply ARDEX N 23 W or ARDEX X 32 Flexible Tile Adhesive.

Application on underfloor heating

When using ARDEX A 35 MIX on hot water underfloor heating, the waiting time before laying floor coverings can be reduced to less than 2 weeks, as ARDEX A 35 MIX reaches its equilibrium moisture content after one day. three days after application, heating begins with a flow temperature of $+25^{\circ}\text{C}$, which must be maintained for three days.

The maximum flow temperature is then set and maintained for a further 4 days. Draughts must be avoided.

The surface temperature of the heated screed must not fall below $+15^{\circ}\text{C}$ when laying floor coverings.

ARDEX A 35 MIX can be thermally loaded up to $+65^{\circ}\text{C}$.

Depending on the heating system, further heating may be necessary.

Please note

For evenly distributed traffic loads in residential construction up to 1.5 kN/m^2 , a screed thickness of at least 35 mm is required for cement screed on insulation, depending on the compressibility of the insulation layer. Under stone and ceramic coverings, the screed thickness must be at least 45 mm.

The screed thickness for cement screed on a separating layer is also at least 35 mm, and for cement composite screed at least 10 mm.

ARDEX A 35 MIX cannot be used outdoors or in permanently wet areas.

ARDEX A 35 MIX quick-setting mortar must be applied at temperatures above $+5^{\circ}\text{C}$.

In case of doubt, carry out a test application.

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.

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Technical data according to ARDEX quality standard

Mixing ratio approx.	Component A 2 l Water 1 Part water 2.25 l Water 1 Part water	Component B 25 kg powder 7 RT powder 25 kg powder 6 RT powder	Consistency For screed work For screed work For laying work For laying work
Material requirement approx.	Material requirements 18.5 kg powder per m ² and cm		
Bulk density approx.	1,80 kg/l		
Fresh weight approx.	2,00 kg/l		
Shrinkage class	SW1 ($\Delta L < 0.2$ mm/m) according to DIN 18560-1 / DIN EN 13892-9		
Classification according to ÖNORM B 3732 Table A.7	SE 1		

Application properties

Processing time approx.	45 Minute(s)
Can be walked on after approx.	3 Hour(s)
Application Ambient conditions	+20°C

Mechanical properties

Bending tensile strength approx.	Time After 1 day After 3 days After 28 days	Bending tensile strength approx. 4 N/mm ² 5 N/mm ² 6 N/mm ²
Compressive strength approx.	Time After 1 day After 3 days After 28 days	Compressive strength of approx. 23 N/mm ² 30 N/mm ² 32 N/mm ²

Product details

Suitable for underfloor heating	Yes
PH value approx.	11
Corrosion behaviour	Does not contain any components that promote corrosion on steel
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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CE	
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04	
52109	
EN 13813:2002	
52109 ARDEX A 35 MIX, EN 13813:CT-C35-F6; Polymer-modified Cementitious screed for internal use	
Reaction to fire:	A1 _{fl}
Release of corrosive substances:	CT
Water permeability:	NPD
Water vapour permeability:	NPD
Compressive strength:	C35
Flexural strength:	F6
Wear resistance according to BCA:	NPD
Sound insulation:	NPD
Sound absorption:	NPD
Thermal resistance:	NPD
Chemical resistance:	NPD