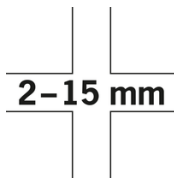




ARDEX WA²

Epoxy grouting compound

- Chemical resistant
- Highly resilient
- Easy to insert and wash
- For joint widths from 2–15 mm



Colours

anthracite, grey, silver grey, white

Area of application

Indoor and outdoor. Walls and floors.

Grouting ceramic tiles, slabs, clinker bricks, split tiles and mosaics in case of stresses against which cementitious mortars are not sufficiently resilient or resistant, e.g. in slaughterhouses, dairies, commercial kitchens, breweries, battery rooms, swimming pools and spas, shower rooms, bathrooms, sales rooms, sports and leisure facilities and other areas subject to chemical or high mechanical loads.

For joint widths from 2 to 15 mm.

Classification according to EN 13888:

RG = Reaction resin grout

Art

Epoxy resin grout consisting of pasty resin and hardener components.

The 4 kg unit consists of:

- 3.0 kg resin paste and 1.0 kg hardener.

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

Processing

Mixing

The resin and hardener components, which are matched in terms of quantity in the containers, must be mixed together thoroughly and intensively using a suitable mixer, e.g. a basket or spiral mixer, to form a uniform and homogeneous mortar. We recommend a mixing time of 3 minutes.

The edges of the mixing units must be scraped out with a trowel during the mixing process. Alternatively, the material can be transferred to another container.

The material must then be mixed thoroughly again.

Application

ARDEX WA Epoxy grouting compound can be processed at temperatures between +18°C and +20°C for approx. 60 minutes. Lower temperatures extend the working time, higher temperatures shorten it.

ARDEX WA is applied to the dry joints with an epoxy grouting board, plastic or rubber spatula and peeled off sharply.

1. Washing process

The first washing process can be carried out within a time window of 20–40 minutes after grouting. The grouted wall or floor areas should be moistened with a little water using a pump sprayer.

To emulsify the surfaces and smooth the joints, either a fine damp sponge or a damp sponge board can be used without additional water. The washing water should be changed approx. every 7–10 m². For very rough surfaces, a white Scotch-Brite pad can also be used for pre-washing. The

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dissolved resin residues are also removed with a fine sponge or sponge board. For large areas, we recommend removing the dirty water with a wet vacuum cleaner.

Important: Loosened resin residues must not be allowed to dry on the surface.

2. Washing process

The second washing process takes place approx. 20 minutes after the

1. Washing process. Both washing processes should be completed approx. 60 minutes after grouting. To make it easier to clean off the resin residues, the

2. Washing process should be carried out with a mixture of ARDEX RG Cleaner Epoxy Cleaner and water in a mixing ratio of approx. 1 : 10, using a pump sprayer and a viscous sponge board.

Rinse:

If resin residues remain on the surface after the two washing processes, follow-up cleaning is necessary.

Any subsequent cleaning of the surfaces should be carried out the next day with a mixture of ARDEX RG Cleaner and water in a mixing ratio of approx. 1 : 5, using a pump sprayer, a white Scotch sponge and a viscose sponge board.

If very dirty, ARDEX RG Cleaner can be applied undiluted and rubbed in.

Depending on the contamination level, the exposure time should be between 15 and 30 minutes. For heavier soiling, repeat the process and increase the reaction time to 60 minutes. Make sure that the cleaner does not dry out. During subsequent cleaning, make sure that dissolved resin residues do not dry out! The drying time can be extended by covering with a plastic sheet.

Please also observe the instructions in the technical data sheet for ARDEX RG Cleaner Epoxy Cleaner.

Do not use spirit-based/acidic cleaners for washing. ARDEX WA Epoxy Grout must not be exposed to acidic cleaning agents for at least 7 days, as this may cause irreversible discolouration of the grout.

Colour changes cannot be ruled out with intensely coloured substances such as tea, coffee, fruit juices, etc. Tools can be cleaned with water or ARDEX RTC Tool Cleaner and a brush or with ARDEX CW cleaning cloths before the mortar hardens.

ARDEX WA Epoxy Grout is waterproof, frost and weather resistant after hardening and has excellent strength and adhesion to the tile edges.

To avoid a reduction in working time due to self-heating, it is recommended to apply ARDEX WA mortar to the substrate in a single operation immediately after mixing. In case of doubt, carry out a test application.

ARDEX WA Epoxy Grout is also suitable for bonding glass and porcelain mosaics and for laying ceramic tiles, slabs, etc. on floor areas. Due to its thin consistency, it is not suitable for laying tiles on wall surfaces (stability). In this case, we recommend ARDEX WA Adhesive.

Classification according to EN 12004: R2

Load capacity

ARDEX WA epoxy grouting compound can be walked on after just 12 hours at temperatures between +18°C and +20°C and can withstand mechanical stress after 24 hours.

Chemical resistance

After curing, ARDEX WA epoxy grouting compound is resistant to aqueous salt solutions and alkalis as well as a range of diluted mineral and organic acids and organic liquids and solutions.

Chemical resistance is achieved at temperatures between +18°C and +20°C after approx. 7 days.

Chemical resistance – for special cases, enquiry required.

The smooth, closed and colour-fast surface of the joint is insensitive to dirt and resistant to household and swimming pool cleaners. ARDEX WA, white, shows only a slight tendency to yellow. Colour changes cannot be ruled out with intensely coloured substances such as coffee, tea, fruit juices, etc.

Chemical resistance according to AQS

Resistant to:

- Waste water*
- Acetone
- Aluminium sulphate solution (26.5%)
- Formic acid 1%
- Ammonia, concentrated
- Butanone (MEK)
- Calcium chloride solution (total)
- Calcium hydroxide, saturated
- Chromic acid 5%
- Developer solution (photographic)
- Acetic acid 10%
- Ethyl acetate
- Ethyl alcohol
- Ethylene glycol
- Formalin solution 3%
- Tannic acid 10%
- Glycerine
- Household cleaner
- Hypochlorite solution (active Cl 165 g/l)
- Potassium hydroxide, saturated
- Carbon disulphide
- Motor vehicle petrol
- Seawater
- Methyl alcohol < 50%
- Lactic acid 10%
- Moor water
- Sodium bisulphite solution (23%)
- Sodium chromate solution (34%)
- Sodium hyposulphite solution (17%)
- Saturated sodium hydroxide solution
- Oleic acid
- Oxalic acid (10% in water)
- vegetable fats
- Phosphoric acid < 50%
- Nitric acid < 10%
- Hydrochloric acid < 36%
- Sulphuric acid < 60%
- Brine
- Turpentine

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- animal fats
- Toluene
- Hydrogen peroxide < 10%
- Tartaric acid, saturated
- Citric acid, saturated
- Sugar solution
- Xylene

*for industrial waste water, suitability must be checked on a case-by-case basis!

Short-term resistance to:

- Formic acid 3%
- Nitric acid < 40%

Not resistant to:

- Chloroform
- Acetic acid > 20%
- Methylene chloride
- Lactic acid > 10%
- Nitric acid, concentrated

Substances not listed available on request.

Please note

Textured tiles and slabs and those with porous surfaces may show residual haze after grouting. Create test areas and follow the manufacturer's instructions. Excess material should not be removed with hot water. Do not use thinners, solvents or water to adjust the mortar consistency.

Do not use ARDEX WA Epoxy grouting compound at temperatures below +10°C or above +30°C.

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	Specified by the container
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Fresh weight approx.	1,50 kg/l
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Material requirements

Material required for grouting approx.	Tile size	Joint width	Joint depth	Consumption
	5 x 5 cm	3 mm	5 mm	0.90 kg/m ²
	10 x 10 cm	3 mm	5 mm	0.45 kg/m ²
	20 x 20 cm	3 mm	5 mm	0.25 kg/m ²
	30 x 30 cm	3 mm	5 mm	0.30 kg/m ²
	11,5 x 24 cm	3 mm	5 mm	0.30 kg/m ²

Note	The additional losses due to excess material on the tiles amount to 0.10 - 0.20 kg/m ² , depending on the type of tile and working method.
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Application properties

Processing time approx.	60 Minute(s)
Insertion time (EN 1346) approx.	30 Minutes
Correction time approx.	30 Minutes
Can be walked on after approx.	12 Hours with sufficient hardening
Chemically resistant after approx.	7 Day(s)
Application Ambient conditions	+20°C

Mechanical properties

Adhesive tensile strength approx.	Ambient condition Dry/wet storage	Bond strength 2.5 N/mm ²	Time After 28 days
Bending tensile strength approx.	Time After 28 days	Bending tensile strength approx. 30 N/mm ²	
Compressive strength approx.	Time After 28 days	Compressive strength of approx. 60 N/mm ²	

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Product details

Tested according to DIN EN 13888	RG	
Labelling according to GHS/CLP	Labelling according to GHS/CLP See relevant safety data sheet See relevant safety data sheet	Component Resin Hardener
Self-service regulation	2	
Labelling according to ADR	Component Resin Hardener	Labelling according to ADR See relevant safety data sheet See relevant safety data sheet
Packaging	Combination pack consisting of a bucket containing 3 kg of ARDEX WA paste and an insert can containing 1 kg of ARDEX WA hardener.	
Storage	Can be stored in dry rooms for approx. 18 months in the original sealed container. Store buckets upright, do not tip. Setting of the pastes during storage has no effect on the quality of ARDEX WA.	

