

## AQUA PRIMER AP 2000

- > water vapour diffusion open
- > up to 6% substrate residual moisture
- > on magnesite and anhydrite screeds



### Product description

Solvent-free, water-emulsifiable, unpigmented, water vapour diffusible 2-component primer based on epoxy resin. Very good adhesive bond on mineral substrates, good bonding medium of old coatings. Indoors on floor surfaces, as primer and bonding medium on prepared mineral substrates, such as concrete or screed surfaces, magnesium and calcium-sulphate screeds. As primer under aqueous seals as well as binding agent for reactive resin mortar.

#### Delivery format:

Container	Outer packaging	Pallet
10 KG / KE		24
5 KG / BLE		72
6 KG / KE		
3 KG / BKA		

#### Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container: 365 days

### Processing

#### Recommended tools:

Slow-rotating electric agitator, suitable mixing vessel, brush, roller, rubber broom, airless sprayer.

#### Mixing:

Component A and component B are basically delivered in the relevant correct mixing ratios. A scale must be used to determine partial quantities. Thoroughly mix component A via a slow-rotating electric agitator (approx. 300 rpm), then add component B and continue mixing until a homogeneous, lump-free consistency is reached (approx. 2-3 minutes).

To prevent mixing and/or proportioning mistakes, the mixed material must be decanted into a clean, dry container (repotted) and stirred thoroughly again. In the course of this, quartz sand and/or suspending agents can be added if necessary.

#### Processing:

- Primer: roll unfilled via micro paint roller
- EP mortar: lay trowelable EP QS via smoothing trowel or long smoothing trowel MV 1:7 up to 1:10 with QS 0.063 - 3.5 mm

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## Technical data

Density	Comp. A + B approx. 1.0 g/cm <sup>3</sup>
Colour	transparent
Viscosity	Comp. A + B approx. 1000 mPa*s
Consumption	as primer approx. 0.3 kg/m <sup>2</sup> depending on absorpency as reactive resin mortar approx. 3 kg/m <sup>2</sup> per cm (MV see "Processing")
Mixing ratio	A:B = 2:1
Pot life	approx. 30 - 40 min.
Recoatibility	after approx. 12 hrs

## Test certificates

### Tested in accordance with (standard, classification ...)

EN 1504-2:2005

## Substrate

### Suitable substrates:

Requirements for mineral substrates:

The substrate must be dry, stable and free of separating, intrinsic and dissimilar substances, pursuant to the IBF Directive - industrial substrates of reaction resin. Residual moisture max. 4 % by weight, measured with the CM device. Substrate temperature greater than 12 °C and 3 K above dew point; adhesive tensile strength on average 1.5 N/mm<sup>2</sup>; adhesive tensile strength smallest single value 1.1 N/mm<sup>2</sup>

### Suitable substrate pre-treatment:

The substrate must be prepared by means of a suitable mechanical process, such as diamond grinding, shot blasting etc.

## Product and processing instructions

### Material information:

- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.

### Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!

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## Coating Technology

### Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

## Safety instructions

### Limiting and monitoring exposure

### Personal protective equipment:

### General protection and hygiene measures:

- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.
- Do not inhale gases/vapours/aerosols.
- Avoid contact with the eyes and skin.

### Breathing protection:

- Use a breathing filter device for short term or minor exposure; for more intensive or longer exposure, use a self-contained breathing apparatus.

### Hand protection: protective gloves.

### Glove material

- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer. As the product is a preparation made up of many materials, the resistance of glove materials cannot be predicted in advance and must therefore be checked before use.

### Penetration time of the glove material

- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

### Eye protection: tightly sealed protective goggles.

### Body protection: protective clothing.

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Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released.

The most recent data sheets, safety data sheets and the terms and conditions are available online at <http://www.murexin.com>.