

## HYBRID ADHESIVE HX 1



- > highly stable
- > extremely smooth processing
- > no slippage



### Product description

Powdery, food-safe, hydraulically setting, flexible adhesive mortar with perfectly matched processing properties.

Indoor and outdoors to bond all types of ceramic materials and non-translucent, moisture-resistant natural stones, as well as for levelling walls and floors. For all standard construction substrates from 2 to 20 mm layer thickness.

The adhesive impresses with its smooth processing with extremely high stability and zero slippage.

#### Delivery format:

Container	Outer packaging	Pallet
17 KG / PS		72

#### Storage:

Can be stored for about 12 months in a frost-free, cool, and dry environment on wooden shelves in the unopened original container.

### Processing

#### Recommended tools:

Low-speed electric agitator, suitable mixing vessel, brick trowel, sponge. The notched trowel must be matched to the material being laid.

#### Mixing:

Take a clean mixing vessel and add this product to water using a slow-rotating mixer until a homogeneous and lump-free blend is obtained (mixing time approx. 3 minutes).

#### Processing:

Apply the mortar to the substrate in two steps. In the first step a thin contact layer is scratched open, in the second step the adhesive bed is combed onto the still wet layer with the corresponding toothing at a work angle of 45 - 60°. Rub the material to be laid into the fresh bed of mortar and remove any possible mortar residue with a wet sponge.

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Tile laying technology

In outdoor areas, such as swimming pools as well as areas under heavy loads, the combined laying process 'buttering floating' is to be used.

Carry out an adhesive test for unknown natural stones or materials to be laid!

## Technical data

fully load-bearing	after approx. 24 hrs
Colour	light grey
Can be corrected within	approx. 5 min.
Consumption	Consumption according to toothing: approx. 1.6 kg/m <sup>2</sup> at 6 mm toothing, approx. 2.2 kg/m <sup>2</sup> at 8 mm toothing, approx. 2.9 kg/m <sup>2</sup> at 10 mm toothing
Open time	approx. 30 min.
Rest time	none
Layer thickness	max. 20 mm
Processing time	approx. 3 hrs
Jointable/accessible	after approx. 10 hrs
Water consumption	approx. 0.32 l/kg (corresponds to 5.4 l/17 kg)

## Substrate

### Suitable substrates:

Concrete  
Cement screed  
Anhydrite screed  
Mastic asphalt  
Gypsum plaster  
Lime-cement plaster  
Masonry  
Gypsum plasterboards  
Smooth concrete  
Aerated concrete  
Wooden substrates

The substrate must be dry, frost-free, solid, weight-bearing, dimensionally stable, free of dust, dirt, oil, grease, release agents, and loose parts, and it must comply with the applicable technical national and European directives, standards, and "generally accepted rules of the trade".

## Product and processing instructions

### Material instructions:

- The material properties may change significantly when working outside the ideal temperature and/or humidity range.
- Bring materials to correct temperature before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water addition amounts or dilution instructions must be precisely kept!
- Check the colour accuracy of coloured products before use!
- Colour consistency can only be guaranteed within a batch.
- Environmental conditions may significantly affect colouration.
- Mixed material that has already started to stiffen may not be diluted further or replaced with fresh material!

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## Tile laying technology

### Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for material, substrate and air lies at + 15°C to + 25°C.
- The ideal relative air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting and hardening.
- Ensure sufficient ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect from direct sunlight, wind and weather!
- Protect adjacent components!
- Outdoors, in permanently wet areas, in areas under heavy load, as well as for natural stone and large areas for which the combined (buttering/floating) procedure is to be used.

### Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.
- For heated screeds, a standard heating procedure must take place before laying.
- The underfloor heating system may not be switched on during the processing and hardening.

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

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. 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 [www.murexin.com](http://www.murexin.com).