

## PRIMER PU 5 EXPRESS

- > very low-emission, EC1-PLUS
- > water and solvent-free
- > suitable as vapour barrier
- > very quick drying
- > single-component, ready for processing



### Product description

High-quality, water and solvent-free, undercoat ready for processing, based on polyurethane with accelerated drying.

Indoors for priming of normal to strongly absorbent and sanded screeds before adhesion with PU and MS adhesives as well as (sanded off) with tile adhesives and levelling compounds. Suitable for underfloor heating systems and castor wheel loads. Also for blocking increased residual moisture up to max. 3.5 CM % in cement screeds without underfloor heating systems.

Use on underfloor heating system after consultation with application engineering.

#### Delivery format:

Container	Outer packaging	Pallet
11 KG / KKA		42

#### Storage:

Can be stored frost-free, cool and dry on wooden shelves in the unopened original container for: 270 days.

### Processing

#### Recommended tools:

Short brush velour roller, paintbrush, spring leaf spatula.

#### Processing:

Use as primer:

Shake Prime Coat PU 5 Express and thinly apply to the substrate with suitable tool (short brush velour roller). Excessive application can lead to foaming.

Use as a vapour barrier:

Shake Prime Coat PU 5 Express and thinly apply to the substrate with suitable tool (short brush velour roller). The drying time is approx. one hour, depending on the room climate. For producing a vapour barrier as a second layer, Prime Coat PU 5 Express is applied crosswise with the roller. Subsequent drying approx. 12

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hours. With compensation fillings or subsequent tile adhesion, Prime Coat PU 5 Express is to be spread with an excess of fire-dried quartz sand with 0.6 1.2 mm grain. Excess, not fully bound quartz sand is to be fully removed after hardening using suitable measures (sweeping, vacuuming etc.). Sprinkling can be omitted if gluing takes place within 48 hours with Murexin PU or MS adhesives.

## Technical data

Consumption	as undercoat: approx. 100 - 150 g/m <sup>2</sup> depending on substrate, as vapour barrier: approx. 300 - 450 g/m <sup>2</sup> depending on substrate
Drying time	as primer approx. 2 hrs., as vapour barrier approx. 12 hrs.
Processing temperature	(ideally) +15 °C to +25 °C
Specific weight	1,2 g/cm <sup>3</sup>

## Test certificates

**Tested in accordance with (standard, classification ...)**  
GEV Emicode EC1-PLUS

## Substrate

### Suitable substrates:

Standard mineral substrates  
Cement screeds and concrete floors  
Calcium sulphate screeds  
Mastic asphalt  
Wooden substrates  
Dry screeds

The substrate must be dry, free of frost, solid, load-bearing, dimensionally stable and free of dust, dirt, oil, grease, solvents and loose parts and correspond to the applicable technical national and European guidelines, standards as well as meet the "generally accepted rules of the trade".

## Product and processing instructions

### Material instructions:

- When working outside the ideal temperature and/or humidity range the material properties may change significantly.
- Bring materials up to temperature accordingly before processing!- To retain the product properties, no foreign materials may be mixed in!
- Water dosing amounts or dilution specifications must be precisely kept!
- Check coloured products before use for colour consistency!
- Colour evenness can only be guaranteed within a batch.
- The colouring is significantly influenced by the environmental conditions.
- Water-based systems can only be kept for a limited period after dilution with water; that is why we always recommend to process as quickly as possible.
- Always allow primer to dry/harden well.
- Large amounts of mixed residual materials may heat up after the pot life has been exceeded and lead to the development of a lot of smoke and odour. Mix unused, mixed residual quantities with quartz sand in original container and allow them to harden in the open.

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## Parquet and adhesion technology

### Environmental advice:

- Do not process at temperatures below +15 °C!
- The ideal temperature range for material, substrate and air is +15 °C to +25°C.
- The ideal air relative 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!

### Tips:

- We highly 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.

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

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).