

## UNI PANEL



- > heat-insulating
- > versatile
- > practical

### Product description

Heat-insulating, waterproof, fire-resistant, frostproof, vapour diffusive, non-rotting carrier plate with high compressive strength made from extruded rigid polystyrene foam with textile glass mesh reinforced special mortar coating. The Murexin Uni Panel contains no chlorofluorocarbons (CFCs), HCFCs or HFCs and also no HBCDs.

Inside and outside to dress wall and floor areas in dry and wet locations, to dress bath walls, drainpipes and shower trays, for the design of built-in washbasins, shelves, steps, water containers, etc. to erect separating walls in showers, WC facilities, to cover wooden floors as well as wooden stand constructions. To dress facades and pedestals as well as for special constructions.

### Delivery format:

Container	Outer packaging	Pallet
0,78 M2 / Pcs.		108
0,78 M2 / Pcs.		80
1,56 M2 / Pcs.		12
0,78 M2 / Pcs.		160
1,56 M2 / Pcs.		108
1,56 M2 / Pcs.		60
1,56 M2 / Pcs.		40
1,56 M2 / Pcs.		30
1,56 M2 / Pcs.		24
1,56 M2 / Pcs.		20
1,56 M2 / Pcs.		16

### Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container: unlimited shelf live

### Processing

### Recommended tools:

jigsaw, ripsaw, cutter knife

Tile laying technology

## Processing:

### Wall mounting

Dabs of Murexin adhesive mortar are applied to load-bearing substrate and the edges are also coated with adhesive mortar to bond the individual boards together. The board is pressed on over the entire area and aligned. Instead of dabs of mortar, the adhesive can be applied completely on the board using a 10 x 10 mm notched trowel. The board joints are to be filled with adhesive mortar where reinforcement with Murexin GS 10 glass fabric is required. The board is to be fastened with suitable screws or dowel on substrates and wooden constructions which are not as load-bearing. For this construction method, approx. five attachment points are required per m<sup>2</sup>, whereby adhesion with adhesive mortar is not required. The board joints must be formed as previously described.

### Floor mounting

On screeds, concrete or other substrates, the board is to be glued over the entire area and it must be flush and without cavities. Additional anchoring or bolting is required on wooden substrates. In floor areas, in general a complete fabric embedding with Murexin Energy Textile (= textile glass mesh TG 50) is to be undertaken instead of joint covering. In floor areas, the board thickness should be at least 30 mm.

### Interior construction

For the production of coverings and separating walls as well as for the attachment of pipe boxes it is best to use connection clamps as mounting aids. They are attached to the substrate with screws or nails. Then the board is inserted in the clamps.

### Joint formation

All joints in wall, floor and corner areas are preferably to be designed permanently elastically with Murexin SIL 60 sanitary silicone or SIL 50 natural stone silicone. In areas which are directly adjacent to wet areas, in the board joints and in the walls and floors Murexin DB 70 sealing tape is to be incorporated instead of the strip of fabric. Moreover, an alternative sealant is recommended in areas which are extremely wet.

### Outdoor area

When using in outdoor areas a complete seal with Murexin DF 2K sealing film is absolutely necessary.

### Post-treatment:

The boards which have been attached with adhesive mortar are to be protected against mechanical strain (walking on) for approx. 12 hours after installation.

## Technical data

Compressive strength	0,20 N/mm <sup>2</sup>
Thermal conductivity	0,035 W/mK
Thermal expansion coefficient	0,07 mm/(mK)
Water absorption	less than 1.5 % vol.

## Test certificates

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

Brandverhalten: Klasse E  
EN 13164

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## Substrate

### Suitable substrates:

Concrete  
Cement screed  
Anhydrite screed  
Mastic asphalt  
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".

## For a perfect system

### System products:

Connecting clamp with or without mounting bracket, connecting clamp, pipe box L

### Description:

Connecting clamp with or without mounting bracket for front attachment of the Uni Panel to wall and floor surfaces. Connecting clamp for connecting two Uni Panels. Pipe box L Uni Panel bonded in L shape to produce hose cladding.

## Product and processing instructions

### Pallet sizes:

0.4 cm: 80 pcs  
0.6 cm: 160 pcs  
1 cm: 108 pcs  
2 cm: 60 pcs  
3 cm: 40 pcs  
4 cm: 30 pcs  
5 cm: 24 pcs  
8 cm: 16 pcs

### Material instructions:

- When working outside the ideal temperature and/or humidity range the material properties may change significantly.
- Bring the materials to the proper temperature 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.

### Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for material, substrate and air is +15 °C to +25 °C.
- The ideal relative air humidity range is between 40% to 60%.

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## Tile laying technology

- 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 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).