

## PRINETO Thin-bed system

Underfloor heating significantly improves the indoor climate of a residential unit. However, complex installation work and low room heights cause many people to refrain from modernising in this area.



### The renovation solution

With a maximum height of just over two centimetres, the PRINETO thin-film system is extremely thin and can be laid quickly and cleanly on almost all existing floors.

Thanks to its sophisticated technology, the PRINETO thin-film underfloor heating system with its self-adhesive dimpled foil and ultra-flexible 12 x 2 mm panel heating pipe is quick and easy to lay. Open up completely new possibilities for your customers when renovating and modernising their properties.

### Properties PRINETO thin-bed system:

- Extremely flat floor structure (total height 22 mm to the top edge of the screed)
- Low weight per square metre (approx. 40 kg/m<sup>2</sup> at a height of 22 mm)
- Fast setting and drying (special levelling screed)
- Suitable for all rooms with use similar to living space
- Recommended screed: e.g. Würth Cerafix 201 or comparable screed

## PRINETO Fixing rail

The PRINETO fixing rail system is an interesting and cost-effective alternative to pipe fastening on the insulation, especially for larger surface heating systems such as in industrial and commercial buildings, sports halls, etc.



### The solution in the object area

The heating pipes are fixed to the covering foil of the insulation with the self-adhesive fixing rail and perfectly enclosed by the wet-laid heating screed.

For fixing, the heating pipes must be pressed into the brackets at the desired distance. In the curved area, the pipes can also be fastened with staples if required. Optionally, individual heat and impact sound insulation boards made of polystyrene, which are glued with the PRINETO staple foil, or the PRINETO system roll can be used for insulation.

### Features PRINETO fixing rail:

- High heating capacity due to heating pipes completely enclosed by the wet screed
- Particularly suitable for large areas (only approx. 3 % waste)
- Easy and quick pipe fastening
- Separation of trades possible: builder or screed layer lays out the insulation - the heating engineer lays the staple foil and fastens the heating pipes
- Suitable for wall heating



## IVT at a glance

- Subsidiary of the globally active Würth Group
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- Competent technical consultants on site
- Construction site instruction and support
- Planning support and online quick design FBH
- Individual logistics solutions for every application
- B2B online shop
- Numerous patents and new developments

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## PRINETO - Surface heating

The right system for every application



## PRINETO Tacker system

The tacker system is one of the most common installation methods for hot water underfloor heating. The system is very popular due to its simple and flexible installation and is the first choice especially for complicated floor plans.



### Unique: Self-adhesive PRINETO tacker foil for trade separation screed layer vs. heating engineer



Thanks to the adhesive layer on the back, the PRINETO tacker foil can be easily and securely applied to the insulation laid on site and reliably protects it from the penetration of screed water.

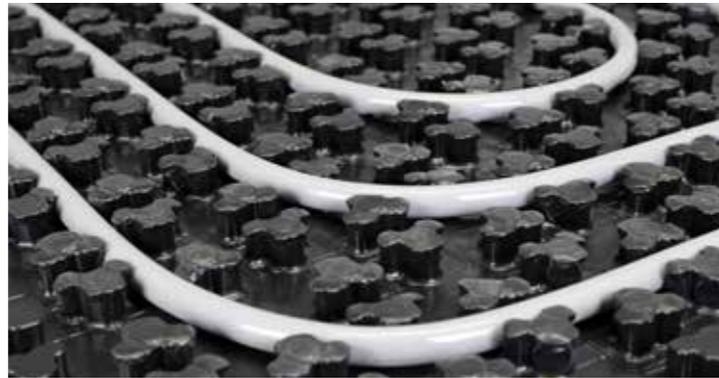
The robust foil also ensures a firm hold for the tacker needles when fixing the pipes to the insulation.

### Properties PRINETO tacker system:

- Particularly suitable for complicated and small floor plans
- Installation distance and pipe routing can be freely selected
- High heating capacity due to heating pipes completely enclosed by the wet screed
- Separation of trades possible: builder or screed layer lays out the insulation
- the heating engineer lays the staple foil and fixes the heating pipes

## PRINETO Knobbed board system

The PRINETO knobbed board system is the first choice for a quick and particularly clean installation of underfloor heating. This allows underfloor heating to be installed without tools. Different insulation thicknesses provide the right insulation.



### Tool-free and particularly clean

When installing underfloor heating with the PRINETO dimpled sheet, you have the choice between two insulation thicknesses (11 and 30 mm) and a dimpled foil without insulation, which is also available as self-adhesive. In addition, you have the choice between PRINETO panel heating pipes with dimensions of 14, 16 and 17 mm.

For fixing, the panel heating pipes are simply pressed between the dimples without any further aids. Due to the special structure of the studs, the heating pipe is perfectly enclosed by the wet-laid heating screed.

### Properties PRINETO knobbed board system:

- The knobbed board is insulation, cover foil and pipe fastening in one - only one work step
- Simple and quick pipe fastening
- Step-stable dimpled sheet without additional masking screed-tight
- High heating capacity due to heating pipes completely enclosed by the wet screed
- Low installation heights due to dimpled sheets without insulation

## PRINETO Velcro system

The PRINETO Velcro panel heating system is characterised by a particularly simple and quick installation. The Velcro heating pipe is simply pressed onto the specially laminated PRINETO Velcro insulation board or the Velcro fleece.



### Simple, fast, flexible and tool-free

The PRINETO Velcro surface heating pipe is spirally wrapped with a Velcro tape so that it can be laid in no time at all on the specially laminated PRINETO Velcro insulation board or the Velcro fleece. For this purpose, the flexible pipe is unrolled and applied to the Velcro film without any tools. The Velcro tape of the pipe automatically interlocks with the retaining film of the insulation board and thus ensures a secure hold.

With the waterproof Velcro retaining film and its self-adhesive film overlap, the Velcro system is suitable for both cement screeds and flowing screeds.

### Features PRINETO Velcro system:

- Quick and easy installation - no tools required
- Up to 30 % shorter installation time and convenient pipe fixing
- Up to 50 % higher efficiency due to one-man installation
- Ultra-flexible, self-crosslinking panel heating pipe 12 and 17 as well as panel heating pipe Stabil 16 x 2.0
- Ideal for angled rooms

## PRINETO Dry laying system

The PRINETO dry laying surface heating system enables fast, simple and weather-independent installation of a surface heating system with a low system weight - ideal for use in timber construction ceilings and for renovation.



### Ideal for drywall construction and renovation

Due to the relatively high system weight, conventional wet screeds in timber construction ceilings, e.g. in prefabricated house construction, are often not possible. In addition, the moisture penetration of wet screeds often leads to problems in old buildings.

The PRINETO dry construction panel heating system enables fast, simple and weather-independent installation of a panel heating system and, thanks to its low weight and low installation heights, is excellently suited for use in timber construction ceilings.

### Features PRINETO dry laying system:

- The system elements (30/55 mm) are insulation, heat distribution and pipe fastening in one - only one work step
- Snake-shaped installation with pipe spacing 12 or 24 cm
- Low system weight, ideal for timber construction ceilings
- No moisture penetration into the structure
- Construction time reduction compared to wet systems (no drying)
- Installation of the floor covering possible shortly after dry screed installation