

# MFH

MODULAR. FLOOR HEATING. 20 mm

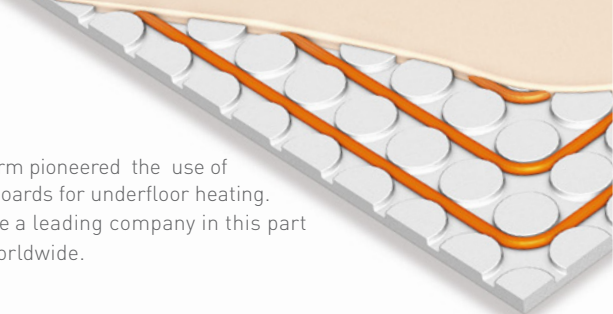
The low profile VarioComp.



VIDEO

[www.variotherm.com](http://www.variotherm.com)

**VARIOTHERM**



In 2001 Variotherm pioneered the use of routed gypsum boards for underfloor heating. Since then we are a leading company in this part of the market worldwide.

## THE THREE. INGENIOUS. PROPERTIES.

### THE 20 MILLIMETRES

The VarioComp floor heating system is superslim with a construction height of just 20 mm. Perfect for retrofit without a need to remove existing floor construction, or wherever there is no space or time for screed. The VarioComp panels are installed using a simple drywall construction method.

1

### THE FASTEST

Low profile. High output! The surface of the VarioComp system heats up extremely fast. That makes it far faster and easier to control than standard floor heating systems.

2

### ENERGY SAVING

The pleasant heat emitted by the VarioComp floor heating system instantly transforms cold floors into cosy living spaces. As an extremely fast reacting low temperature heating system, it saves on heating costs, while at the same time providing a cosy, pleasant warmth.

3











## SUPER. PRACTICAL. SLIM.

### GREAT IDEA

A floor heating system that requires no conventional screed and that is easy to install. That is suitable for renovation and new build and is light, slim, but with a high output. That can be controlled extremely quickly, and on top of that, saves on heating costs. All this is combined in the 20 mm VarioComp floor heating system.





MODULAR FLOOR HEATING 20 mm

### PRACTICAL EXPERIENCE

The Modular Floor heating VarioComp is a complete system that has been thought through down to the smallest detail, and which conforms to the state of the art in sustainable, energy saving heating technology. Developed and produced by Variotherm in Austria, it is an innovation which has been installed and proven thousands of times worldwide.

### SLIM SOLUTION

VarioComp floor heating system inspires new ideas for living. With its superslim construction height of just 20 mm, it fits into any floor plan and all room situations perfectly. Fast reacting. High output. Cosy and pleasant warmth.





Perfect for dry construction.  
Ideal for a gentle renovation.  
Compact and light as a feather.



Modular Floor heating system radiates a pleasant warmth everywhere. In living and bathrooms, as well as in offices, auditoriums and public buildings.



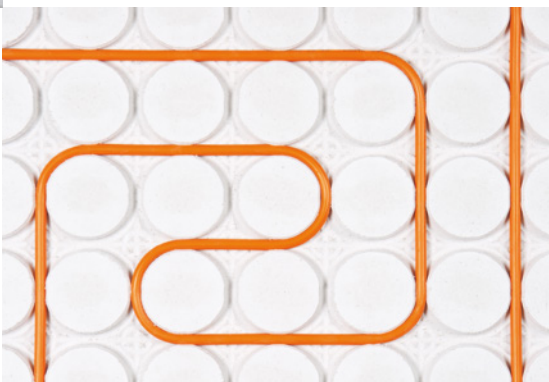
Can be installed everywhere with available height of just 20 mm. The flexible VarioComp panels can be installed absolutely anywhere.





That's fast!

The specially milled routings in the VarioComp panel guarantee fast laying, with a precise distance between pipes of 100 mm or 150 mm.



The VarioProFile pipe. Extremely stable form and yet easy to bend. Profiled surface!



Our specifically developed VarioComp filling compound is used to fill the VarioComp panels once they have been installed.

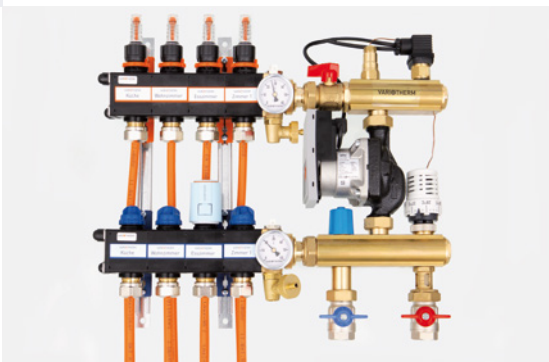


The room thermostats guarantee simple, fast regulation of the room temperature.



EVERYTHING. YOU NEED.

The manifold for renovation: The pumped manifold PVST regulates the correct temperature in the floor heating system circuit.







# TECHNICAL PROPERTIES. COMPONENTS.

## COMPLETE. EFFICIENT. SYSTEMATIC.

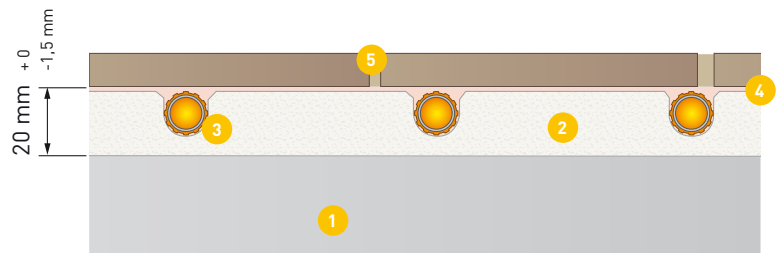
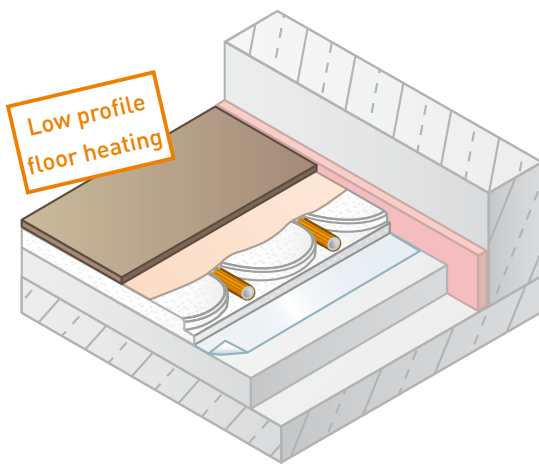
The low profile floor heating VarioComp is an efficient complete system in which the VarioProFile pipe is embedded in the filling compound. This guarantees optimal heat retention and transfer. This, combined with the better regulation options, means that lower floor temperatures than in other floor heating systems are possible.

## DETAILS. DETAILS. DETAILS.

All components of the complete system are perfectly matched. The specially milled routings of the VarioComp panel. The easy to bend VarioProFile pipe with an extremely stable form. The ideal height for the optional XPS insulation panel or the compact SILENT underlay panel. The fast drying VarioComp filling compound. All this makes for a perfect combination. Down to the smallest detail.

## CLIMATE FRIENDLY. ENVIRONMENTALLY FRIENDLY.

All VarioComp panels are made from gypsum fibre boards that have been tested for their biological properties. The tested complete system has been awarded a range of quality and environmental certificates.

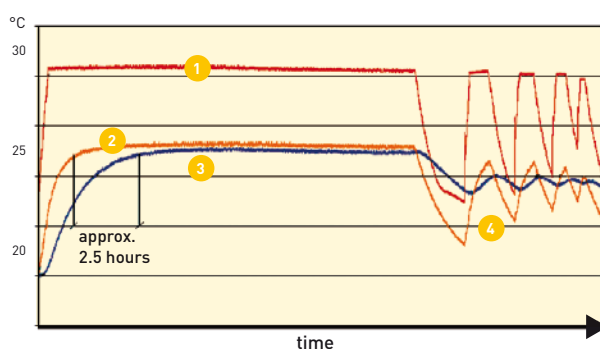


### VARIOCOMP

- 1 Substructure
- 2 VarioComp panel
- 3 VarioProFile pipe 11.6 x 1.5 Laser
- 4 VarioComp filling compound
- 5 Floor covering

## QUICK. REACTION. TIME.

A comparative test shows that the VarioComp surface heats up 2.5 hours faster than the screed floor system. And cools down faster avoiding overheated rooms.



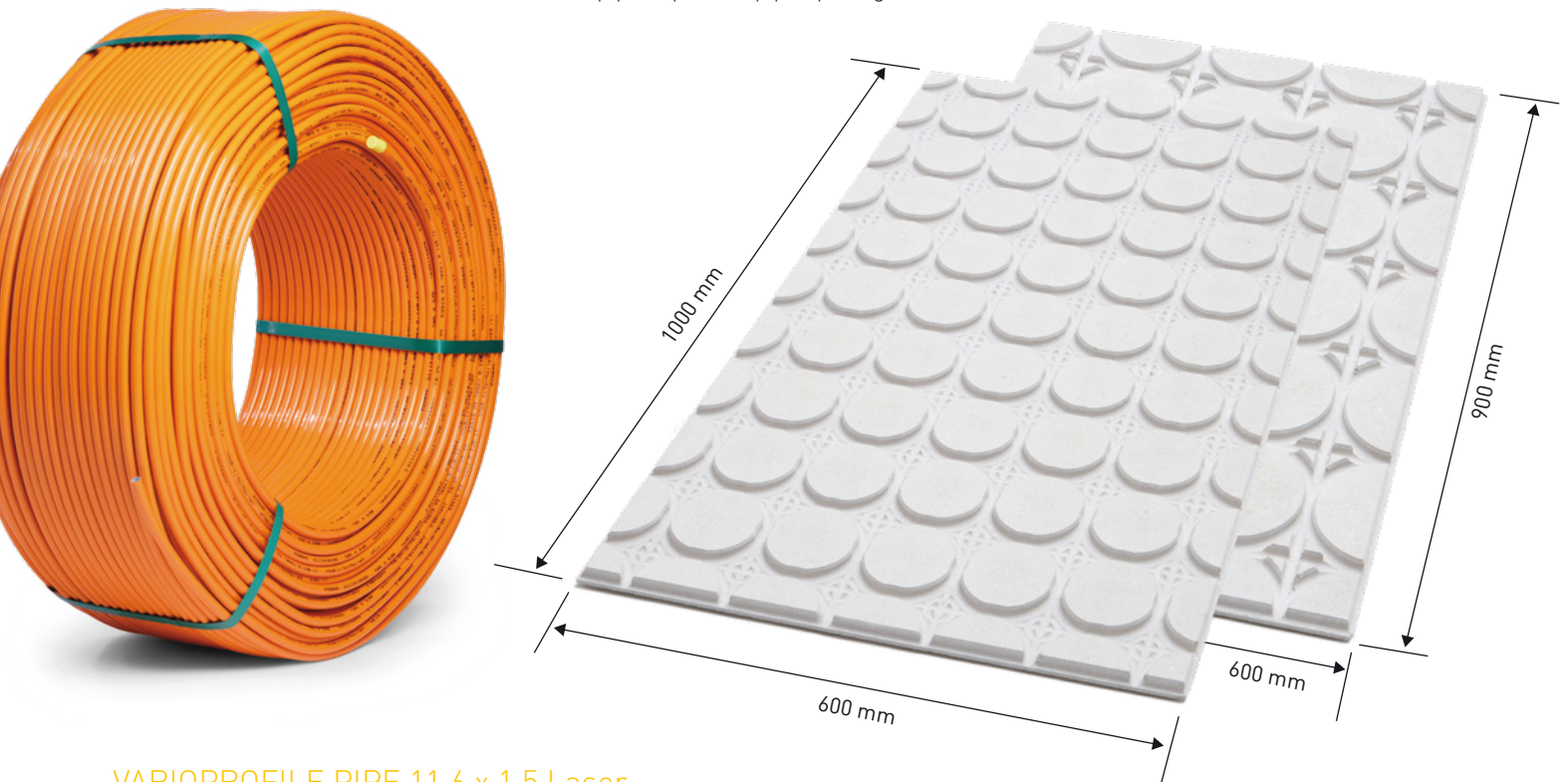
### COMPARATIVE MEASUREMENT

- 1 Heating water temperature
- 2 Modular Floor heating system VarioComp surface temperature
- 3 Screed floor heating system surface temperature
- 4 Short reaction time when the heating system is switched on and off

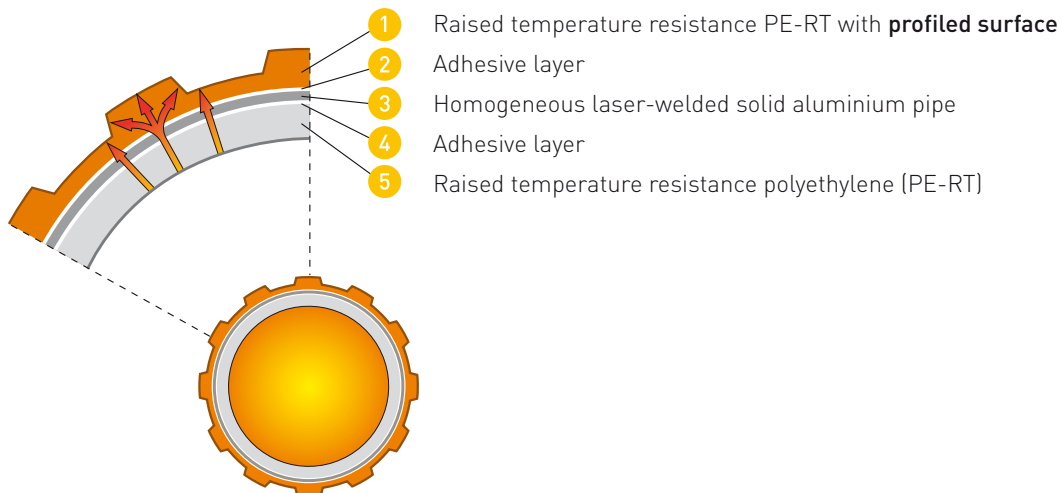


## VARIOCOMP PANEL

The routed panels consist of 18 mm gypsum fibre boards which have been tested for their healthy building properties. The specially milled routings guarantee quick laying of the VarioProFile pipe, a precise pipe spacing of 100 mm or 150 mm\*.



## VARIOPROFILE PIPE 11.6 x 1.5 Laser



## ADVANTAGES

- Flexible, easy to bend, extremely good hydrostatic stability
- 100% oxygen diffusion-tight
- Fully corrosion-free
- Lower linear coefficient of expansion
- Mirror-smooth inner surface - less pressure loss - no encrustation
- 10 year guarantee with certificate
- Tested as per EN 21003 (IMA Dresden)

## COMPONENTS. TOOLS.

- 1 VarioComp filling compound
- 2 Bucket with watermark
- 3 PE construction foil
- 4 XPS panel, 10 mm, 200 kPa
- 5 SILENT underlay panel
- 6 Edge insulation strip, 75 mm





# SIMPLY. QUICKLY. INSTALLED.

## THE VARIOCOMP PANEL

Here's how easy it is with VarioComp:  
The specially milled routings in the VarioComp panel (18 mm) guarantee fast laying on all even sub-surfaces (concrete, wood structures or other solid surfaces). The entire surface board is routed, which guarantees fast and efficient pipe laying over the complete area.

## PIPE LAYING

The special routings guarantee that the VarioProFile pipe can be quickly laid and is at the same time immediately stably fixed in place. This work can be very easily be carried out by just one person. The laying method can be chosen as preferred (e.g. meandering or bifilar)



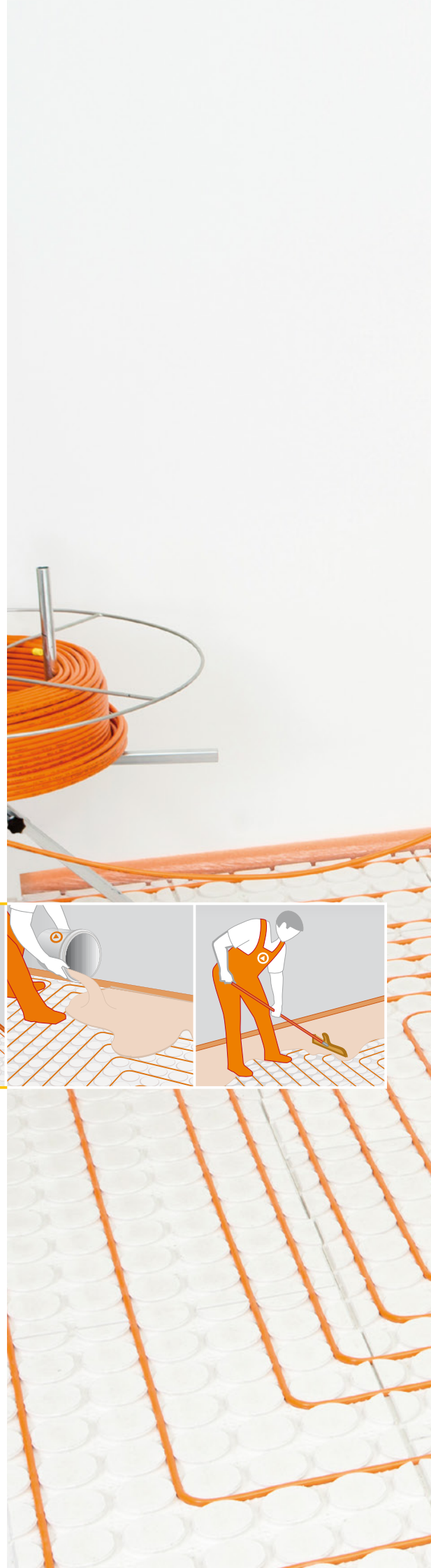
## FINAL INSTALLATION

Now, simply pour on the VarioComp filling compound, level it off and you are done. The floor finish can be fixed after a short drying period of about 24 hours. Any floor covering (wood, tiles, stone, laminate or carpet) can be laid directly onto the finished surface.

1

2

3







Heizen  
Kühlen  
Wohlfühlen

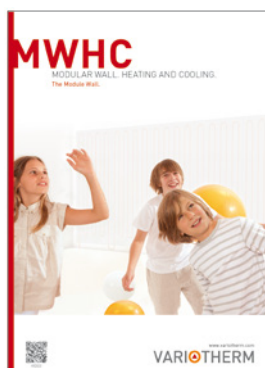




# STRONG. ARGUMENTS. GUARANTEED.

- Low profile. Construction height just 20 mm
- Energy saving low temperature system
- Low weight – ideal for dry construction, retrofit and renovation
- Optimum heat transfer – guaranteed by the VarioProFile pipe and VarioComp filling compound
- Very fast reacting, with excellent control of the room temperature
- Fast and simple installation
- 10 year guarantee

## ALSO AVAILABLE FROM VARIOTHERM



MODULAR WALL.  
HEATING AND COOLING.



MODULAR.  
CEILING COOLING.  
CEILING HEATING.



WALL-CEILING.  
HEATING-COOLING.  
PLASTER.



SCREED.  
FLOOR HEATING.  
SYSTEMS.

YOUR VARIO THERM PARTNER



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