

MODULAR  
FLOOR HEATING  
20 mm

The low profile VarioComp



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

**VARIOTHERM**

# 3 Good reasons for feeling good

## 1 THE FEEL-GOOD HEATING SYSTEM

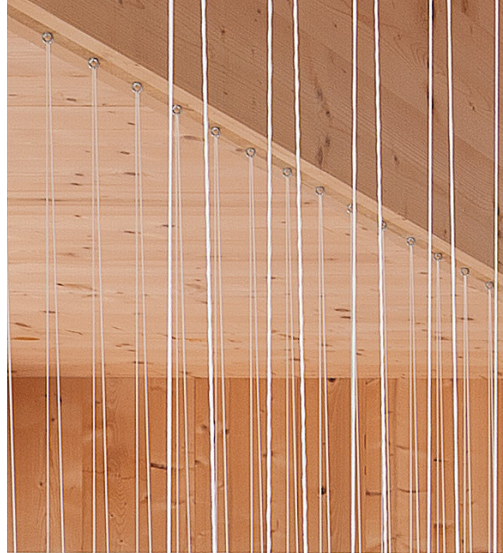
The pleasant heat emitted by the VarioComp floor heating system instantly transforms cold floors into cosy living spaces. As a low-temperature heating system, it saves on heating costs and emissions, while at the same time providing a cosy, pleasant warmth.

## 2 THE 20 MILLIMETRES

The compact floor heating system has a low profile. It has a construction height of just 20 mm. Perfect for retrofit installation without removing the existing floor construction, or wherever there is no space or time for wet screed.

## 3 THE FASTEST

Slimline. 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.





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*The right solution  
is often very simple*



In TOUCH – our  
room thermostat  
enables simple control  
with advanced features!

Construction height  
just **20 mm**

## THE 20 MILLIMETRE SOLUTION

Modular floor heating that doesn't require a wet screed. That is easy to install. That is perfect for renovation. That is light, slim, but with a high output. That can be controlled extremely quickly, saves on heating costs and emissions. All this is combined in the 20 mm VarioComp floor heating system.

## POWERFUL IDEAS

The VarioComp floor heating system gives you freedom of design. With its low profile construction height of just 20 mm, it can be the perfect solution in most room situations. Fast-reacting, powerful, comfortably warm and cosy.





Perfect for dry construction.  
Ideal for a renovation.  
Compact and light.

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

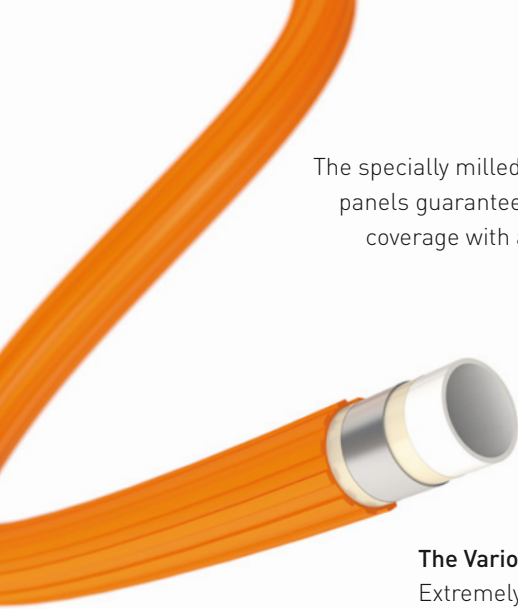


Can be installed anywhere with an available height of just 20 mm. The flexible VarioComp panels can be installed almost anywhere.



**That's fast!**

The specially milled routings in the VarioComp panels guarantee fast laying, complete floor coverage with a precise distance between pipes of 100 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.



# Everything you need

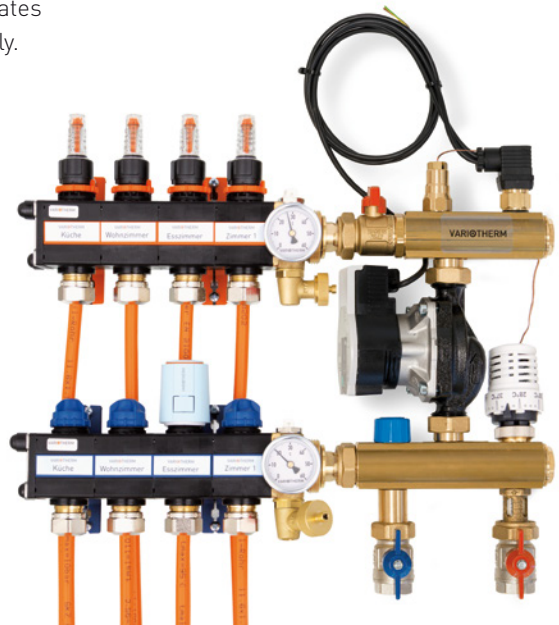
The VarioComp floor heating system is a complete system that has been thought through down to the smallest detail, and which conforms to the state of the art in sustainable, energy-saving heating technology. Developed and produced by Variotherm in Austria, it is an innovation which has been tested and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

**Instant heat.**

The TOUCH HK room thermostat regulates the room temperature quickly and easily.



**The manifold for renovation:**  
The Pumped VarioManifold regulates the correct temperature in the Modular Floor heating system.





# Technology and components

COMPLETE. EFFICIENT. SYSTEMATIC.

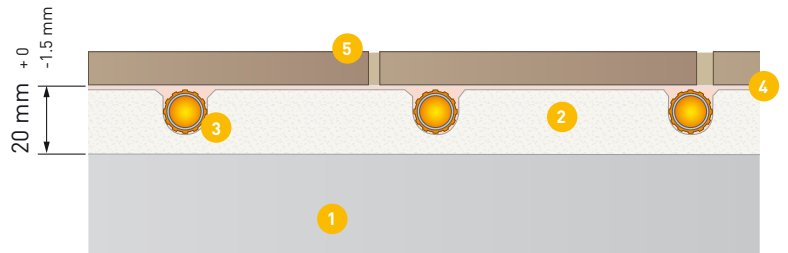
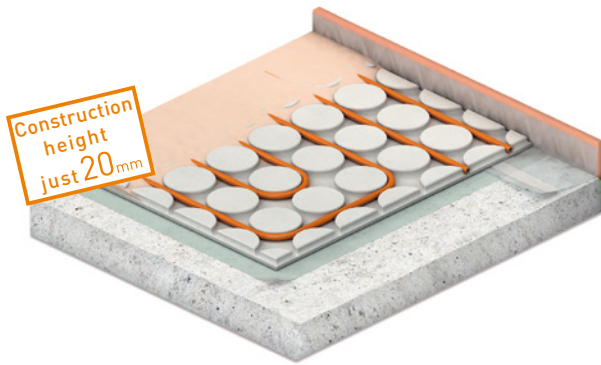
The low profile floor heating system VarioComp is an efficient complete system in which the VarioProFile pipe is embedded in the VarioComp filling compound. This guarantees optimal heat transfer. This, combined with the better regulation options, means that lower operating temperatures than in other 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 panels that have been certified for their biological properties. The tested complete system has been awarded a range of quality and environmental certificates.

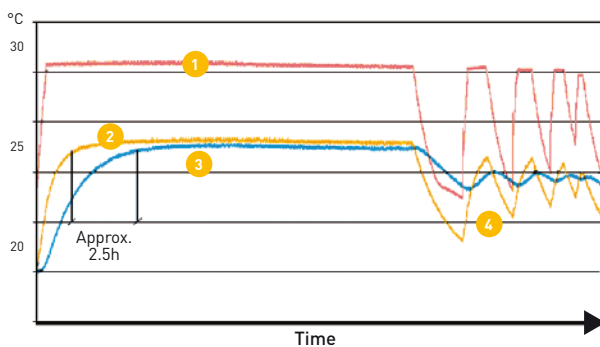


## VARIOCOMP

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

QUICK. REACTION. TIME.

The VarioComp surface heats up far more quickly than equivalent wet screed floor heating systems. A comparative test shows that VarioComp reaches the desired surface temperature on average 2.5 hours sooner than wet screed heating systems. This proves that the Modular Floor heating system reacts faster and is easier to control.



## COMPARATIVE MEASUREMENT

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





## VARIOPROFILE PIPE 11.6 x 1.5

### ADVANTAGES

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

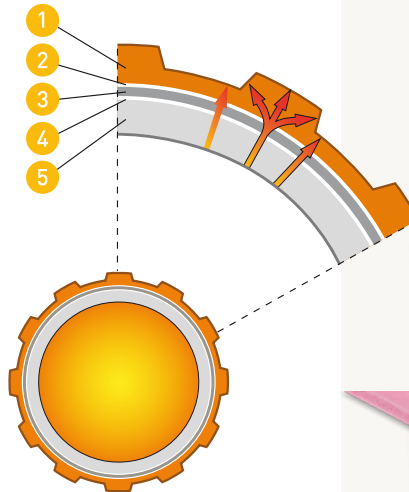
Temperature-resistance PE **with profiled surface**

Adhesive layer

Homogeneous solid aluminium pipe

Adhesive layer

Raised-temperature-resistance polyethylene (PE-RT)



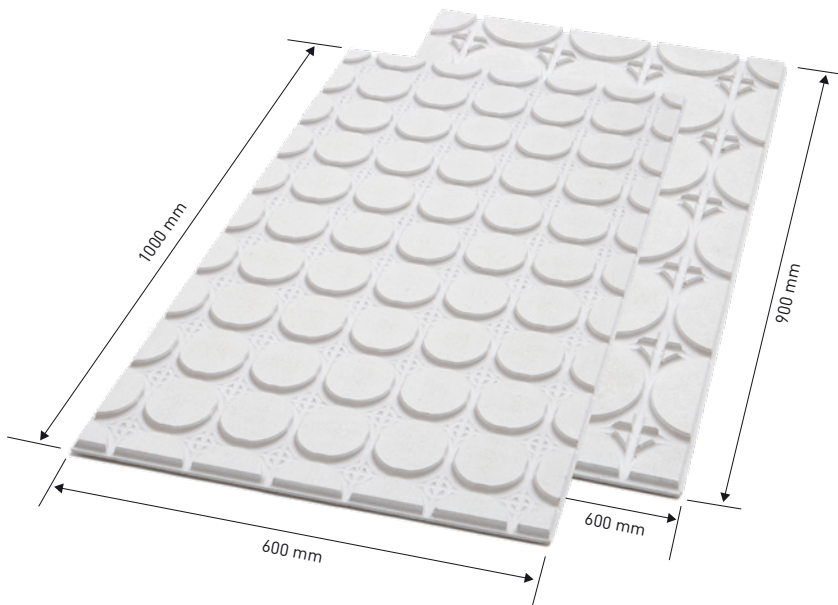
## COMPONENTS. TOOLS.

- 1 VarioComp filling compound
- 2 Bucket set with watermark
- 3 PE construction foil
- 4 XPS panel, 10 mm, 200 kPa
- 5 SILENT impact sound insulation 5 mm
- 6 Edge insulation strips, 75 mm
- 7 Scraper



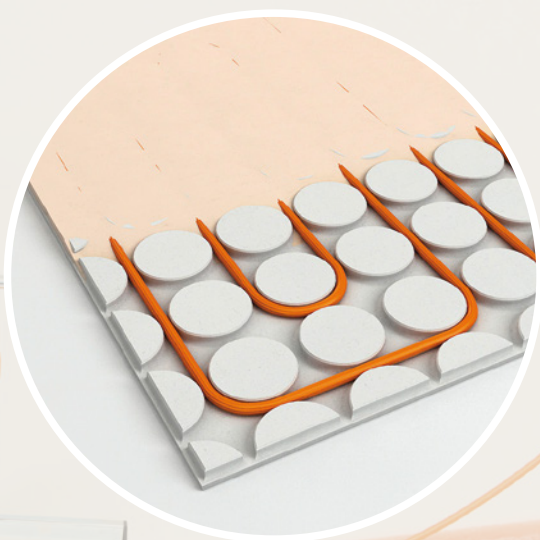
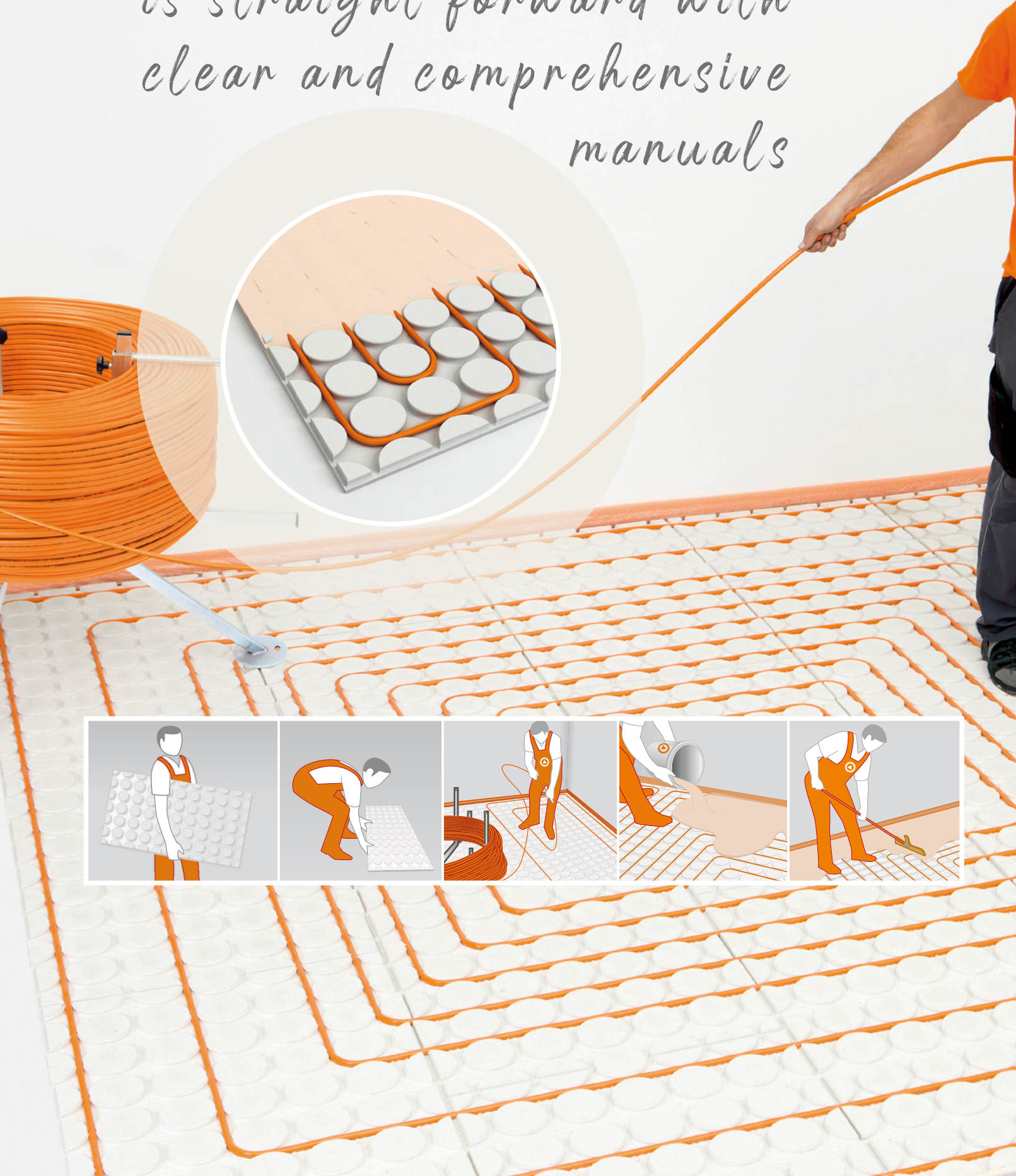
## VARIOCOMP PANEL

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



\*150 mm spacing not recommended for living spaces or for areas where shoes are not worn

*The installation  
is straight forward with  
clear and comprehensive  
manuals*





## 1 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 subsurfaces (concrete, wood structures or other solid surfaces). The entire surface board is routed, which guarantees fast and efficient pipe laying over the complete area.

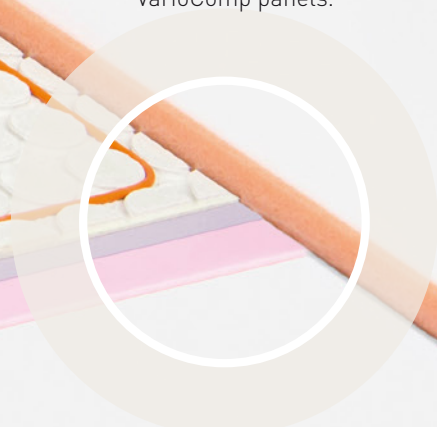
## 2 PIPE LAYING

The special routings guarantee that the VarioProFile pipe can be quickly laid and is at the same time immediately secured 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 spiral).

## 3 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 from 24 hours. Any floor covering (wood, tiles, stone, laminate or carpet) can be laid directly onto the finished surface.

One of many structural options: with thermal and impact sound insulation, laid underneath the VarioComp panels.



# VARIOTHERM

Heating. Cooling. Comfort. For a lifetime.

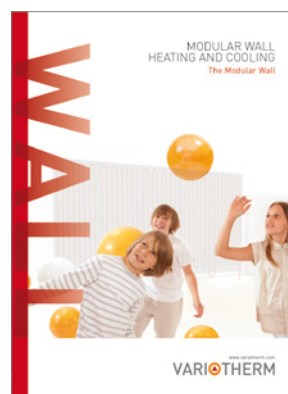
## GUARANTEED BY STRONG ARGUMENTS

- 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

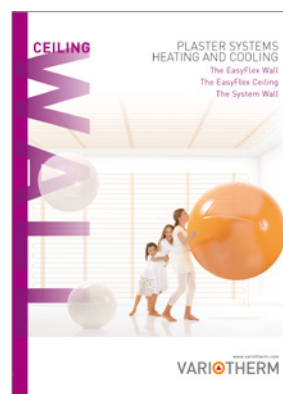
## ALSO AVAILABLE FROM VARIOTHERM



SCREENED SYSTEMS



WALL HEATING / COOLING



HEATING / COOLING UNDER PLASTER



CEILING COOLING / HEATING

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PRODUCT VIDEO



YOUR VARIOTHERM PARTNER

