

VarioComp Floor Heating System

Radiant floor heating system ideal for dry construction and renovations

INTRODUCTION

Newly constructed or older buildings – **Variotherm Floor Heating systems** are always an advantage. Rapidly installed they can be used anywhere spreading warmth and comfort in living rooms, sanitary and bath rooms, hallways and reception areas. They all operate as low temperature heating systems thus being highly economical and energy saving.

With a structural height of only 20mm, **VarioComp** from Variotherm is a new compact floor heating system ideally suited for dry construction and renovations.

ADVANTAGES

- Energy-saving low temperature system
- Easy and quick installation
- Decades of trouble-free operation
- Structural height is only 20 mm
- Uses eco-friendly FERMACELL gypsum fibre panels
- Variomodular pipes guarantee small bending radius and thus an even surface temperature.
- 10 years-warranty with warranty certificate
- Can be combined with other systems - eg those which are operated by calorific value, condensing boilers, heat pumps and solar heating
- Variomodular Pipe keeps its bended form even at low installation temperatures
- Variotherm Pipes are firmly put in place
- System allows complete freedom of pipe installation
- Due to the short drying time quick floor finishing is possible
- Substantially faster-reacting compared with floor heating systems for cast plaster floors and also Floor heating systems for dry construction



GENERAL

The new Variomodular Pipe is a 5-layer composite pipe with 11.6 mm outer diameter and 1.5 mm pipe wall thickness. It is ideal in its dimensions, minimum pipe friction losses are guaranteed and the pipe is a 100% impermeable to oxygen.

The new Compact Panel is only 18 mm thick. Certified as eco-compatible building material FERMACELL gypsum fibre panel bears the IBO-quality seal issued by the Austrian Institute for Healthy and Ecological Building. With this panel system absolute flexibility is guaranteed.

Installation is simple and fast; the pipe-guiding channels make the installation of the Variomodular Pipe easier than ever before. The new Compact Filling Compound sets new standards in the field of floor heating systems for dry floor construction. It fully embeds and encapsulates the Variomodular pipes guaranteeing optimum heat capacity. It is easily workable: apply Compact Filling Compound, pull off, done. Fast and clean. Due to the short drying time quick floor finishing is possible.

With Variotherm Floor Heating you will experience cosy and warm floors –especially cold floors like stone, clinker

and tile floors will never be cold again. Variotherm Floor Heatings provide optimum room climate. Due to them being operated with low temperature they are exceedingly economical and can be ideally combined with other energy efficient systems like heatings which are operated by calorific value, heat pumps and solar heatings. Of course they are also flexible.

Stone or tiled floors bring out the best in this heating system. For all "cold" floor surfaces Variotherm floor heating is the ideal solution. It ensures the best possible warmth management and so creates a cosy living environment. Of course it is just as ideal for other floor surfaces which are suitable for floor heating.

The savings begin during assembly: Variotherm floor heating is simple and fast to install. This saves time & money. Operation is really economical, because Variotherm floor heating is operated at low temperatures. It is the ideal combination for energy-saving systems such as gas conversion technology, heat pumps and solar installations.

All systems come with a 10-year guarantee.

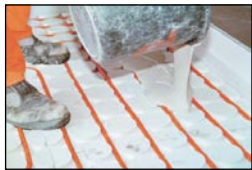
COMPONENTS & INSTALLATION



Compact Panel



Variomodular Pipe



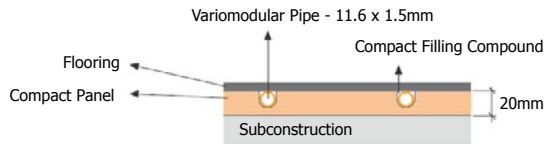
Compact Filling Compound



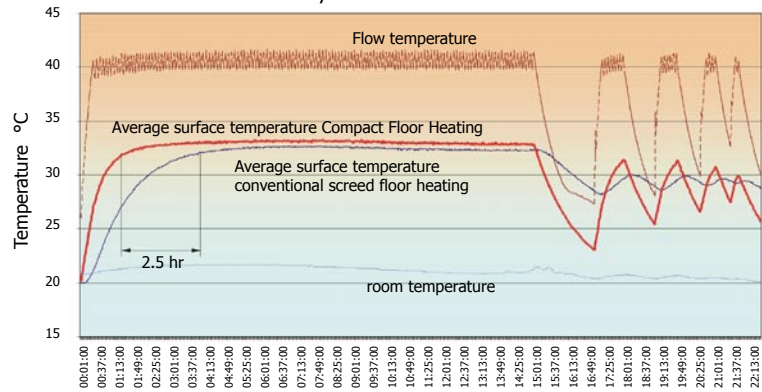
...a perfect job

System Components

Compact Panel 1000 x 600 x 18 mm
 Variomodular Pipe: 11.6 x 1.5 mm
 Compact Filling Compound: 25 kg



Comparitive measurement



Compared to conventional screed floor heatings the faster surface warming of the Compact Floor Heating is clearly visible.

- Faster surface warming results in a better regulation of the Compact Floor Heating. The surface temperature of the Compact Floor Heating is higher than of conventional screed floor heatings.
- Therefore more efficient laying of heating surfaces is possible as lower flow temperatures are needed.



Variomodular Pipe



Compact Filling Compound



Variotherm room temperature controls



Heating circuit distributor