

EFHC SWHC

PLASTER WALL. HEATING AND COOLING.

The EasyFlexWall. SystemWall.



VIDEO

www.variotherm.com

VARIOTHERM

Heating and cooling in a single system.
Invisible. Silent. Energy efficient.
Cosiness you can feel, like the warmth
from the sun!

THE THREE. INGENIOUS. PROPERTIES.

THE PROVEN PRODUCT

The EasyFlexWall and SystemWall have been developed by Variotherm from the first product introduction 25 years ago. In the intervening years the products have proved themselves in many thousand installations.

THE WALL TO COSY UP TO

The Variotherm EasyFlexWall and SystemWall combine heating and cooling in a single system. In cold weather, they emit a wonderfully cosy radiant heat. On hot days, the room temperature is kept at a comfortably level using cold water circulation. Hidden invisibly underneath the plaster. Cosiness you can feel.

THE FLEXIBLE WALL

EasyFlexWall and SystemWall, installed underneath the finished plaster, provide highly flexible solution for any room dimension and a very fast response.

1

2

3





PLASTERED WALL. HEATING AND COOLING.

ENERGY SAVING EVERYWHERE

Variotherm is regarded as one of the leading pioneers in Europe in the area of surface heating and surface cooling systems. The energy saving low temperature system has been thought through down to the smallest detail, and has been tested and proven in installations, from Norway to southern Spain.

EASYFLEXWALL IN THE COSY SEATING AREA



PERFECT IN COMBINATION

Sustainable. Environmentally friendly. The EasyFlexWall and the SystemWall are extremely efficient low temperature systems which can also be perfectly combined with energy saving technologies such as heat pumps, solar or biomass plants.

FLEXIBLE DESIGNED

All available surface areas can be utilised to create warm walls and cosy corners; your favourite places to work or relax.

EVERYWHERE. PERFECT. FLEXIBLE DESIGN OPTIONS.

LARGE-AREA SYSTEMWALL





With heating or cooling, rooms are maintained at a comfortable temperature all year round.



Perfect for living rooms, bathrooms, offices, public buildings, shops, hotels, restaurants and kindergartens.



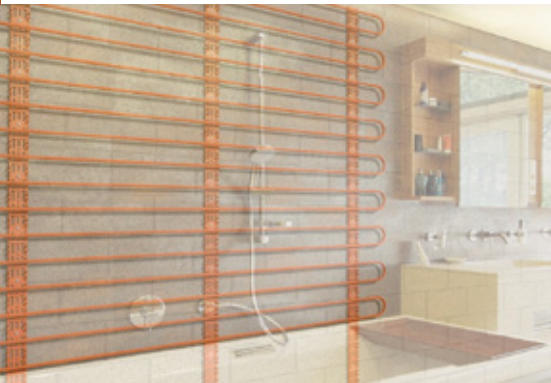
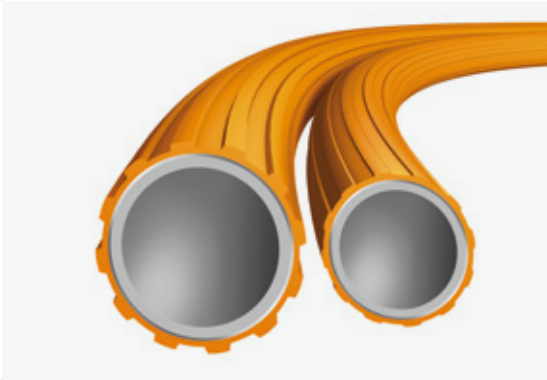
Both large and small surface areas can be efficiently used.





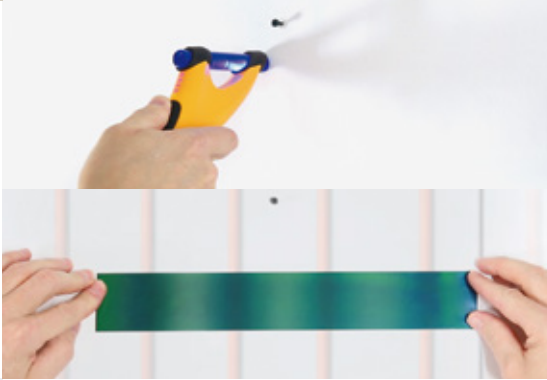
With the mounting system developed by Variotherm, installers can complete assembly quickly.

VarioProFile pipe 16 x 2 Laser and VarioProFile pipe 11.6 x 1.5 Laser with **profiled surface** for optimised heat transfer.



Hang up pictures? The pipes are easy to locate with the Variotherm pipe locator or using thermofoil.

Room thermostats from the PIANO series guarantee simple, fast regulation of the room temperature.



EVERYTHING. YOU NEED.

All Variotherm heating/cooling manifolds are fully assembled and pressure tested.



TECHNICAL PROPERTIES. TYPES. DETAILS.



EASYFLEX WALL HEATING/COOLING

The EasyFlexWall is characterized by its slim design with close pipe spacing from 77 mm to 115 mm, both as a high performance wall heating or wall cooling system. It is simple to install and easily adaptable to round or complex shapes. Small and large surfaces can be optimally heated and cooled.

SYSTEM WALL HEATING/COOLING

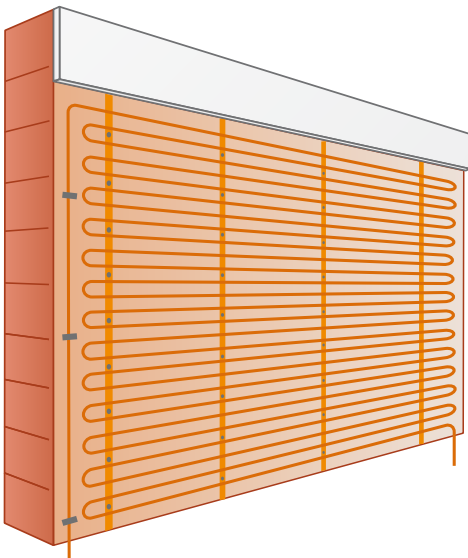
With a perfect combination of components, the optimum heating or cooling output can be achieved with the lowest possible water temperature. SystemWall has been tested and approved by the Austrian Institute for Healthy and Ecological Building. On hot days, it operates in an ecologically efficient way and cools rooms silently and without conventional forced air systems.



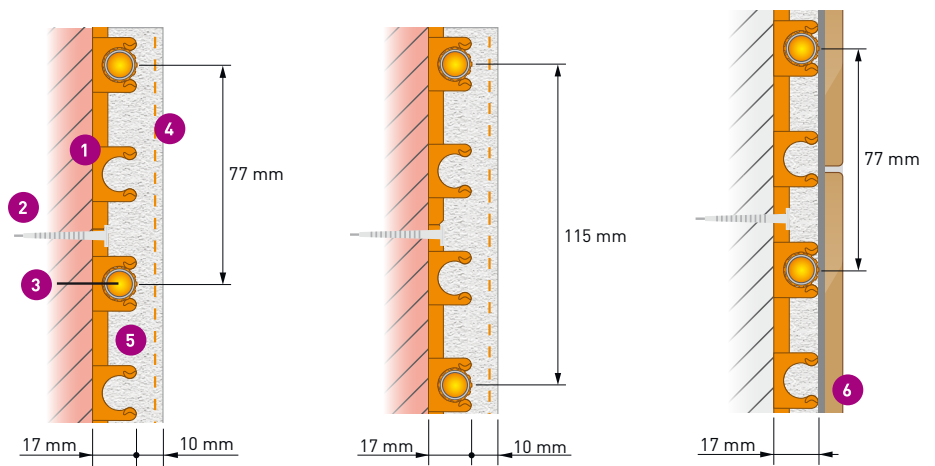
EasyFlex wall heating/cooling system type EWHK77 and EWHK115

The high-performance wall heating/cooling system with a system depth of only 17 mm, which is so easy to install.

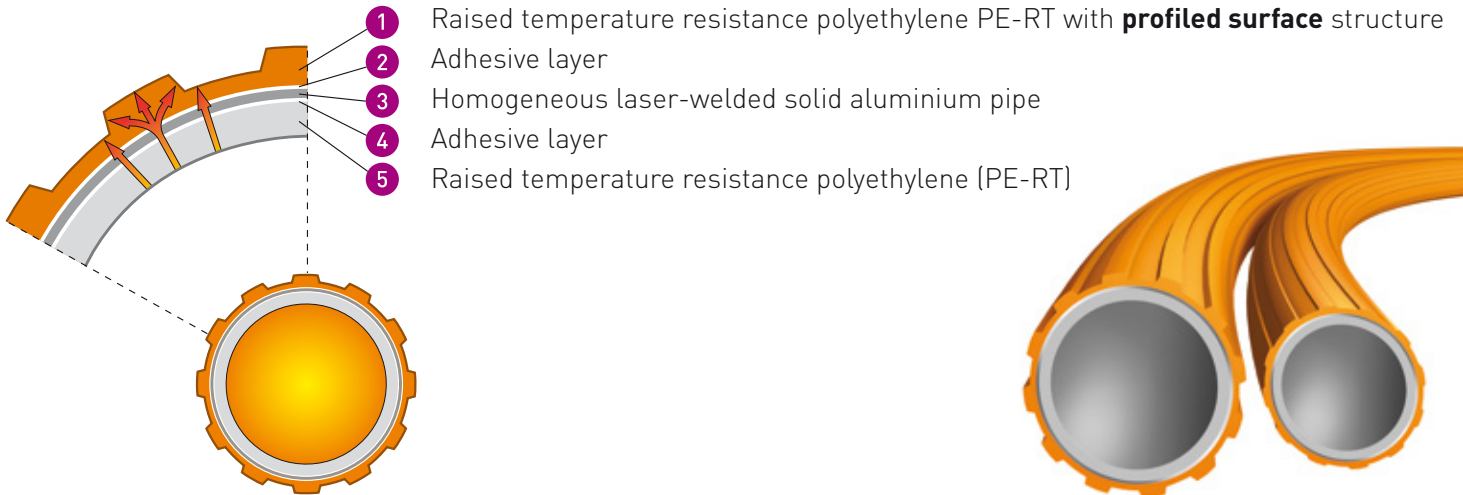
EasyFlexWall



- 1 VarioBar 11.6/77
- 2 Fastening with nail anchors
- 3 VarioProFile pipe 11.6 x 1.5 Laser
- 4 Plaster lattice (provided by customer)
- 5 Plaster (provided by customer)
- 6 Ceramic cladding (provided by customer)



VARIOPROFILE PIPE 16 x 2 and 11.6 x 1.5 LASER



ADVANTAGES

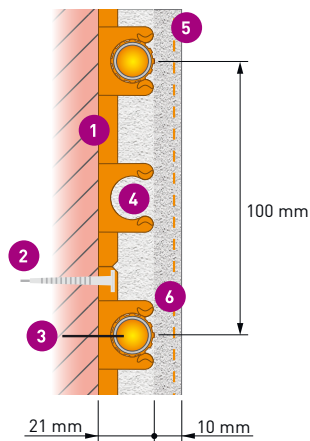
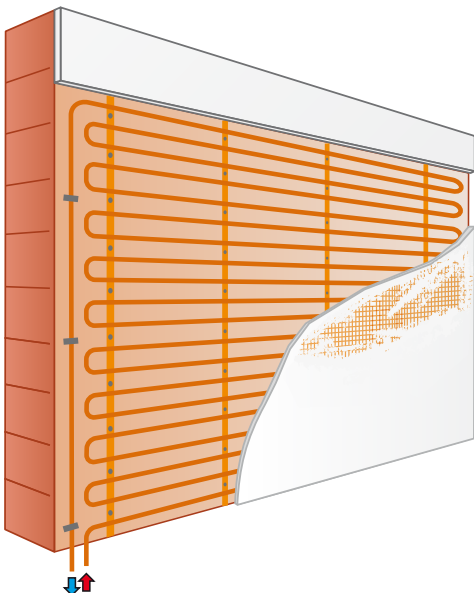
- Optimised heat transfer through up to 10% or 15% larger surface
- First-class plaster adhesion
- 10 year guarantee with certificate
- High pressure and temperature resistance (10 bars, +95 °C)
- Flexible, easy to bend, extremely good hydrostatic stability
- 100% oxygen diffusion-tight



COMPONENTS. TOOLS.

- 1 VarioBar
- 2 Bending model 11.6/77 | 11.6/115 | 16/100
- 3 EcoHeatingPlaster
- 4 Calibration and chamfering tool

SystemWall



System wall heating/cooling SWHC2 and SWHC3 type

System depth 21 mm

- 1 VarioBar 16/100
- 2 Fastening with nail anchors
- 3 VarioProFile pipe 16 x 2 Laser
- 4 EcoHeatingPlaster for SWHC2
- 5 Plaster lattice
- 6 Final plaster (provided by customer)

SIMPLY. QUICKLY. INSTALLED.

THE SUBSTRUCTURE

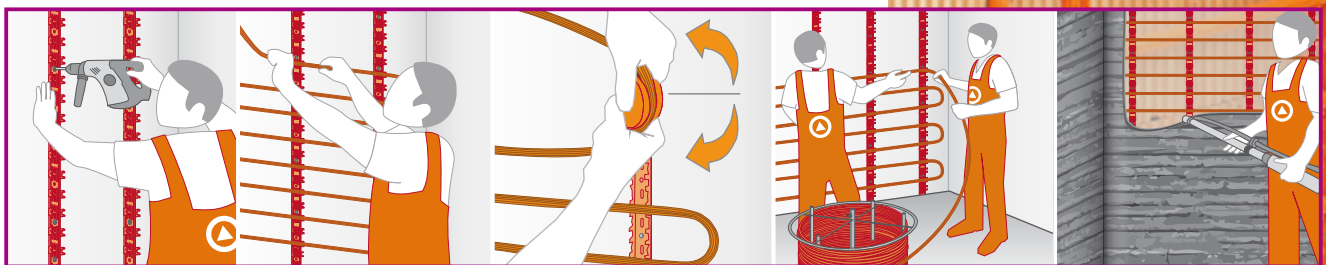
Bricks, porous concrete, clay plaster – anything is possible. The VarioBars are attached to the wall. Thanks to the specially designed click technology, the VarioBars can be extended as required.

1

THE VARIOPROFILE PIPE INSTALLATION

The VarioProFile 16 x 2 Laser and 11.6 x 1.5 Laser pipes developed by Variotherm are flexible, multilayer, easy to bend and with a stable form. Working with the pipe decoiler makes installation easy and possible for one person. The VarioProFile pipe simply slots into the VarioBars.

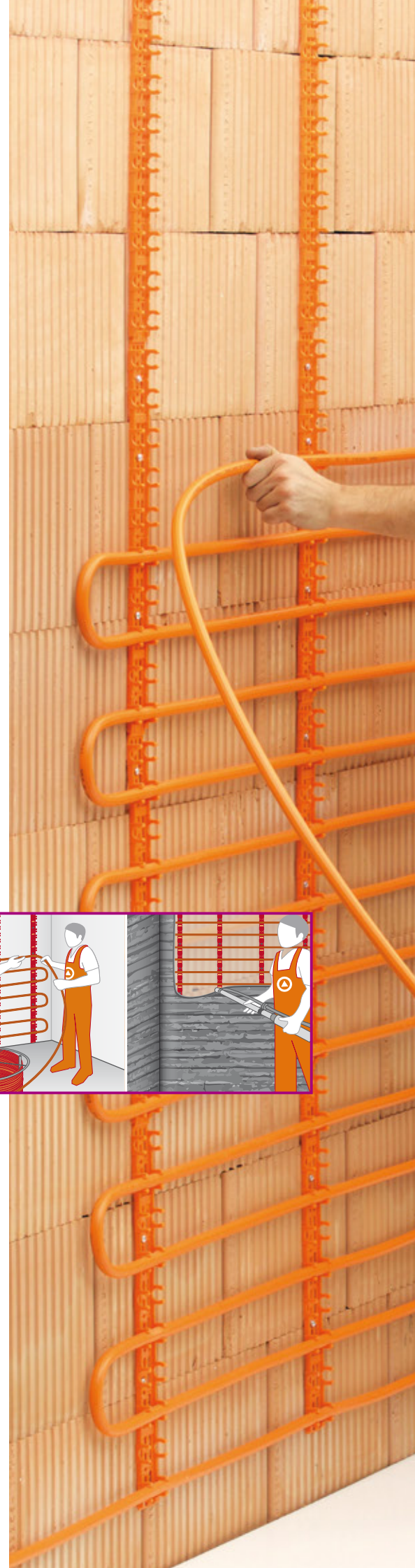
2



FINAL INSTALLATION

Apply the Variotherm EcoHeatingPlaster either by machine or manually. The profiled pipe guarantees optimum plaster adhesion, while at the same time increasing the heat transfer. In general, any plaster can be applied which is suitable for wall heating and cooling. The biological Variotherm EcoHeatingPlaster is ideal due to its high thermal conductivity, vapour permeability and healthy building characteristics.

3





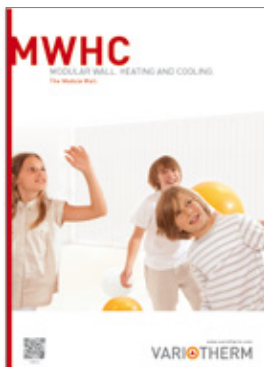
PLASTERED WALL. HEATING AND COOLING.

PIPE REEL

STRONG. ARGUMENTS. GUARANTEED.

- Proven surface heating/cooling systems for plastered walls
- Low temperature energy saving heating system
- Silent energy saving cooling system without forced air
- VarioProFile pipes with 10% to 15% greater surface area than smooth pipes provide optimal heat transfer and plaster adhesion
- Complete slim profile system instead of individual components
- Excellent price/performance ratio
- The SystemWall has been awarded the IBO quality seal by the Austrian Institute for Healthy and Ecological Building
- 10 year guarantee

ALSO AVAILABLE FROM VARIO THERM



MODULAR WALL.
HEATING AND COOLING.



MODULAR.
FLOOR HEATING.
20 mm.



SCREED.
FLOOR HEATING.
SYSTEMS.



MODULAR.
CEILING COOLING.
CEILING HEATING.

YOUR VARIO THERM PARTNER



VARIO THERM HEIZSYSTEME GMBH

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