UFH
SCREED FLOOR HEATING SYSTEMS
VarioRast, VarioFix, VarioClip, VarioRoll, VarioNop and VarioSolid.

www.variotherm.com
Enjoy your life in cosy comfort and heat. With well-tempered floors all the year round. With it’s unique profile pipe and full range of fixing systems Variotherm offers the most complete range of underfloor heating solutions - tested and approved for comfort and energy saving.

THE THREE. INGENIOUS. PROPERTIES.

COSY WARMTH

Variotherm floor heating systems turn cold stone, tile, laminate or wood parquet floors into comfortably warm surfaces. They provide a cosy warmth: in living areas, hallways, kitchens, bathrooms and offices.

YOUR CHOICE

Wherever screed is used, the five systems, VarioRast, VarioFix, VarioClip, VarioRoll or VarioNop, provide the perfect solution for all building situations. Each of these complete systems meet the highest performance standards. The extremely robust VarioSolid sets new benchmarks for surfaces in industrial buildings.

THE PERFECT COMBINATION

All Variotherm floor heating systems are highly efficient low temperature systems, which perfectly complement other energy saving technologies such as heat pumps, solar or biomass plants. This reduces heating costs and helps the environment.
COMPLETE SYSTEMS

For screed systems, Variotherm always has the right solution available with VarioRast, VarioFix, VarioClip, VarioRoll and VarioNop models. All systems are extremely easy to install. The answer to the question of efficient heating for industrial spaces is the VarioSolid industrial floor heating system.
VARIOROLL

SCREED FLOOR HEATING SYSTEMS

INFINITE DESIGN POSSIBILITIES

Variotherm’s floor heating systems allow designers complete freedom in room layout, secure in the knowledge that the system is not only invisible but will also provide a cozy room environment.

ONE BASIC PRINCIPLE

All six Variotherm screed systems have one common feature: awareness of a careful use of energy by getting the highest level of comfort with the least use of resource.
Variotherm floor heating systems are perfectly suited to all types of floor finish. Ideal choice for open uncluttered spaces.

Perfect for modern contemporary living.

Variotherm floor heating systems are perfectly suited to all types of floor finish.
Screed floor heating systems — Everything. You need.

The VarioRoll thermal and impact sound insulation enables an impact improvement of up to 28 dB. The insulation is available in thickness of 20 and 30 mm.

The Variotherm nap panels are pipe brackets, separating layers and thermal insulation (VarioNop) all in one. They are simply connected using a snap fastening system. They are also available without thermal insulation as VarioFix.

Self-adhesive edge insulation strips with a fold for perfect installation in screed.

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

VarioProFile pipe 16 x 2 Laser with profiled surface for optimal heat transfer.

All Variotherm heating/cooling manifolds are fully assembled and pressure tested.
THE 6 SYSTEMS

PROFESSIONAL. INSTALLATION.
All the Variotherm floor heating systems have been developed by specialists with their practical application in mind. They are therefore flexible and can be laid quickly. Each step and action to be taken has been thought through down to the smallest detail. This saves time and money on installation.

HEAT. TRANSFER. OPTIMISED.
The multi-layer aluminium composite pipes, with their profiled structure, have a surface which is up to 15% larger than comparable pipes, which contributes to optimised heat transfer.

PIPE. STABILITY.
The interior laser-welded aluminium pipe has an extremely stable form yet remains easy to bend. This provides you with the maximum in precision while laying the pipes during installation.

TECHNICAL PROPERTIES. FACTS. ADVANTAGES.

VarioRast
- Grid foil with 50 mm grid size
- VarioBar with self-adhesive strip on the back
- Fixing needle for VarioBar
- VarioProFile pipe 16 x 2 mm Laser

VarioFix
- VarioFix panel, 1400 x 800 mm (without insulation). For fastening the VarioProFile pipe and as a separating layer. Especially for concrete subsurfaces
- VarioProFile pipe 16 x 2 mm Laser

VarioClip
- Construction steel grid
- VarioClips for fixing the pipes
- VarioProFile pipe 16 x 2 mm Laser
VARIOMODULAR PIPE 20 x 2 Laser

Raised temperature resistance polyethylene PE-RT with profiled surface structure
Adhesive layer
Homogeneous laser-welded solid aluminium pipe
Adhesive layer
Raised temperature resistance polyethylene (PE-RT)

SCREED FLOOR HEATING SYSTEMS

VarioNop
- Nop panel 1400 x 800 mm (insulation thickness 11 or 30 mm). Interim bridges raise up the VarioProfile pipe, so that the heating screed encloses the pipe completely.
- VarioProfile pipe 16 x 2 mm Laser

VarioRoll
- VarioRoll made of special impact sound polystyrene (20 or 30 mm) with laminated foil. Optimum retaining power for the stapler pins
- Stapler pins for affixing the pipes
- VarioProfile pipe 16 x 2 mm Laser

VarioSolid (Industrial UFH)
- Concrete panel and reinforcing bar grid (provided by the customer)
- Fastening with binding wire
- VarioModule pipe 20 x 2 mm Laser
- Spacer, separating layer and prepared thermal insulation (provided by the customer)

PROFILED SURFACE
- Optimised heat transfer through up to 15% larger surface
- Unique innovation

ADVANTAGES
- 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

VARIOPROFILE PIPE 16 x 2 Laser

Raised temperature resistance polyethylene PE-RT with profiled surface structure
Adhesive layer
Homogeneous laser-welded solid aluminium pipe
Adhesive layer
Raised temperature resistance polyethylene (PE-RT)
SIMPLY. QUICKLY. INSTALLED.

**PREPARATORY WORK**

Depending on the installation situation, either vapour barriers or vapour retarders must be installed in the floor structure. Self-adhesive Variotherm edge insulation strips are applied along the walls, as well as pillars, steps, door frames, etc. The respective model is laid on the prepared subsurface.

**LAYING THE PIPE**

Depending on the model and construction requirements, the VarioProFile pipe can be precisely laid in different ways, while maintaining its form: clips, VarioBars, stapler pins, panels with grooves ... Thought has been given to every possible subsurface and every attachment method. All working steps have been tried and tested in practice and can be carried out by a single installer.

**FINAL INSTALLATION**

After the pipes have been laid, the system is connected to the distribution manifold. Now the floor heating system is filled, flushed, deaerated and pressure checked. Then, the screed can be applied.
STRONG. ARGUMENTS. GUARANTEED.

- 6 individual complete systems from one source
- Energy saving low temperature systems
- Ideal for combination with heat pumps, solar and biomass systems
- Optimised heat transfer due to profile surface
- The surface of the VarioProFile pipe 16 x 2 Laser is 15% larger than that of comparable pipes
- Even floor temperature due to accurate laying systems
- Fast and simple installation
- 10 year guarantee

ALSO AVAILABLE FROM VARIO THERM

PLASTERED WALL. HEATING AND COOLING.

MODULAR WALL. HEATING AND COOLING.

MODULAR. CEILING COOLING. CEILING HEATING.

MODULAR. FLOOR HEATING. 20 mm.

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