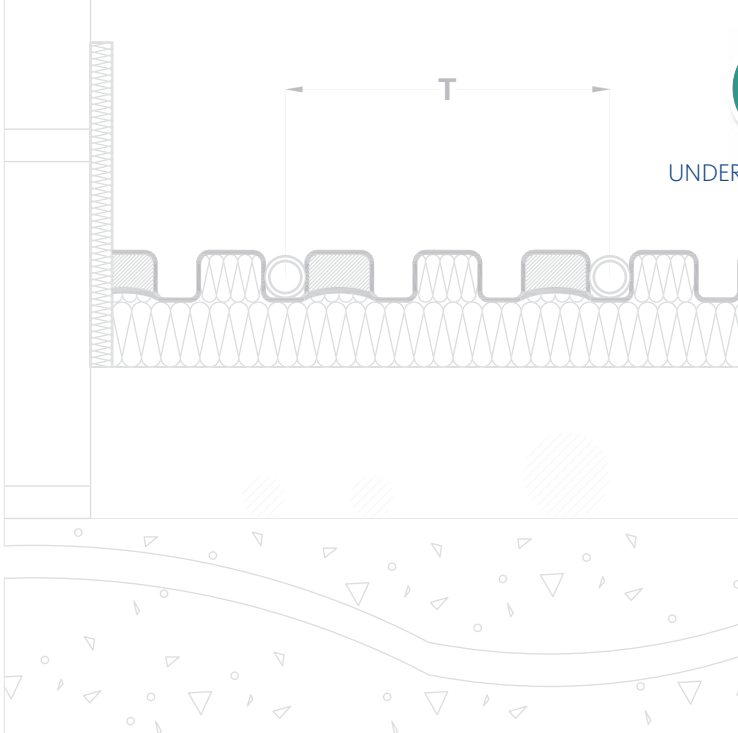
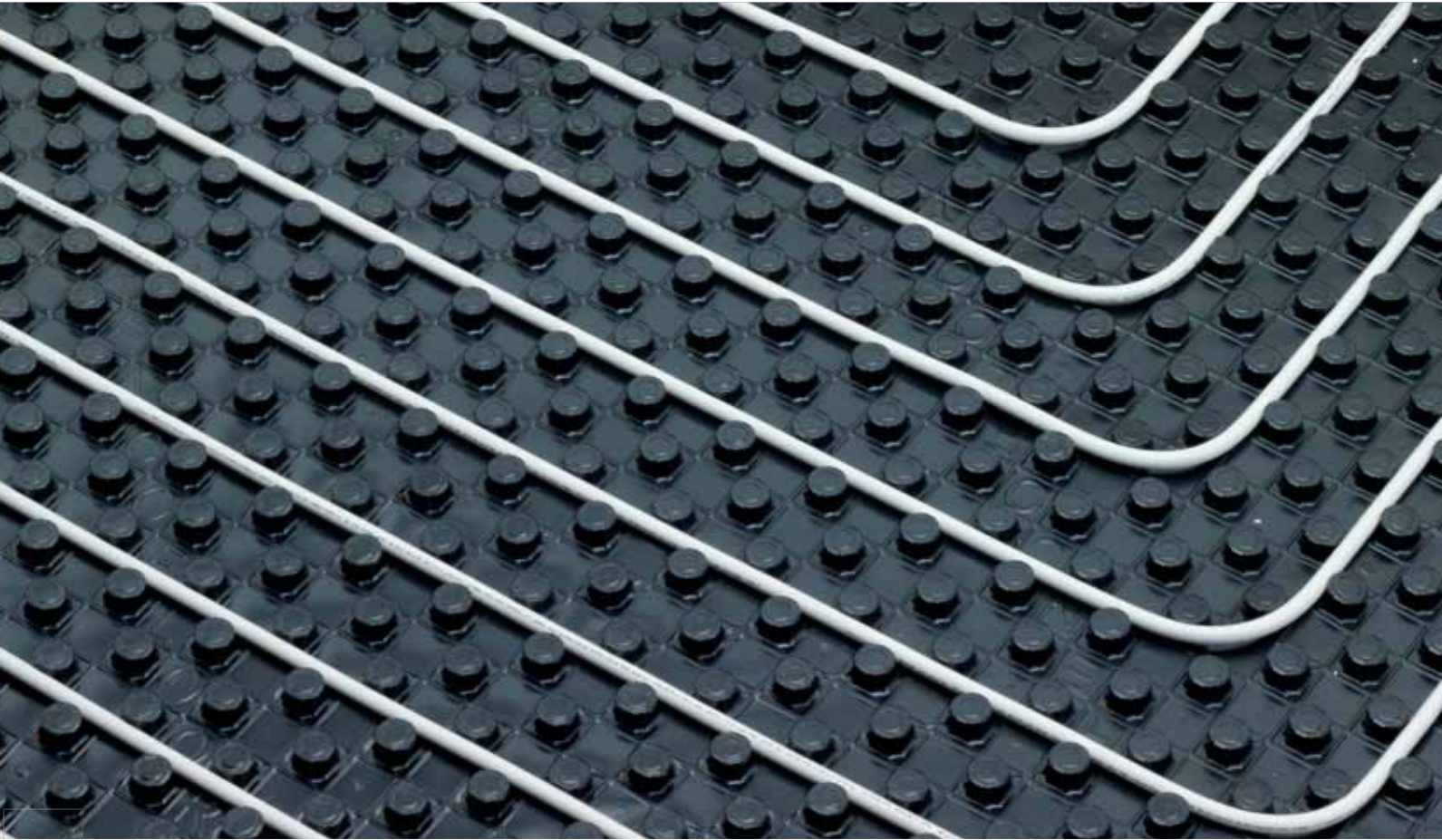


# HENCOFLOOR SYSTEM PLATE



UNDERFLOOR HEATING



FLOOR



## Why Hencofloor?

Hencofloor offers a comprehensive range of high-quality products, spearheaded by the Henco multilayer pipe.

The installation of a long-lasting high-quality pipe is of the utmost importance for an underfloor heating system. After all, it is expensive to replace the piping system.

In addition to this range of top-class products, Hencofloor boasts an experienced and customer-friendly design office, guaranteeing the necessary support on all levels.

- ▶ Expert technical advice
- ▶ Detailed scale plans for the installation
- ▶ Technical file, complete underfloor heating calculation
- ▶ Own engineering insurance
- ▶ Close follow-up in consultation with all the parties involved

All this makes Hencofloor the best partner for your underfloor heating project.

## Advantages of underfloor heating

- ▶ The ideal combination with energy-efficient heating applications, such as e.g. heat pumps, solar boilers, ...
- ▶ A significant energy cost reduction compared to other heating systems
- ▶ The agreeable warmth perfectly meets human needs
- ▶ Radiators are superfluous, as a result of which the room can be fully used
- ▶ Unaesthetic heating elements are thing of the past
- ▶ Unhygienic dust cannot accumulate anywhere, unlike conventional heating.



## Henco multilayer pipe

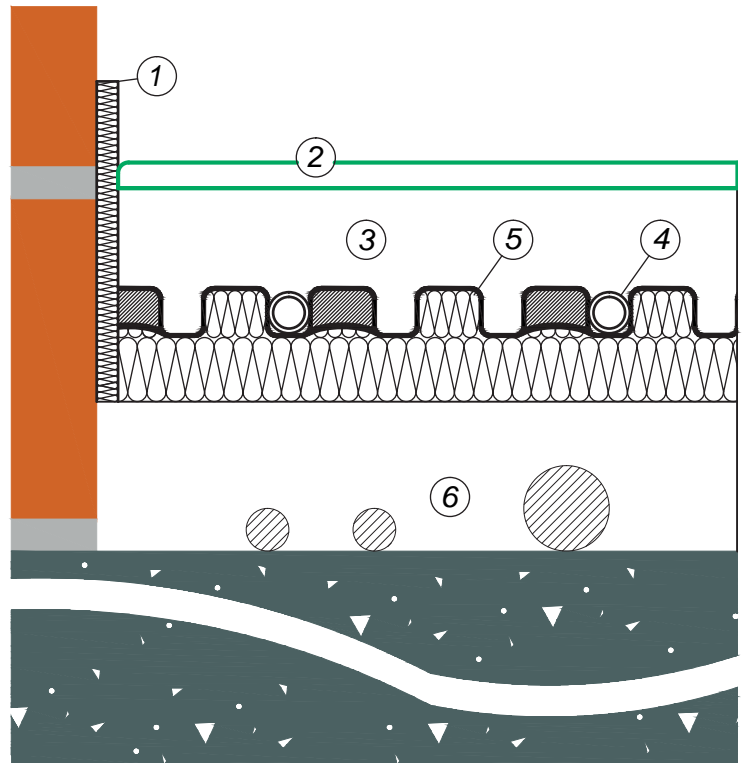


### The HENCO multilayer pipe has all the advantages of metal and plastic

- ▶ Seamlessly butt-welded aluminium pipe
- ▶ 100% oxygen-tight
- ▶ Limited linear expansion coefficient, like metal
- ▶ Completely resistant to corrosion and chemical and electrochemical influences
- ▶ Sound-damping, like plastic pipes
- ▶ Inner and outer pipes made from cross-linked polyethylene
- ▶ High pressure and temperature resistance
- ▶ Smooth surface – limited pressure loss
- ▶ As light as plastic pipes
- ▶ Flexible, easy to bend, even at low temperatures, retains its curved shape

## Hencofloor system plate

This is an underfloor heating system in which the pipe is mounted in a pre-formed system plate. It concerns a system which can be quickly installed and does not require any special tools. It is important that the system plate is laid on a level surface. A **maximum of one insulation layer is allowed** under the system plate.

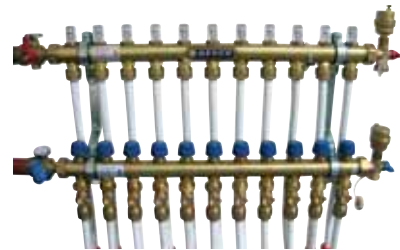


- |   |                 |   |                         |
|---|-----------------|---|-------------------------|
| 1 | Edge insulation | 4 | Underfloor heating pipe |
| 2 | Floor finish    | 5 | Studded system board    |
| 3 | Screed          | 6 | Concrete slab           |

## Hencofloor system plate components

ARTICLE NUMBER	DESCRIPTION
UFH-ISOPRO11	system plate of 11 mm
UFH-ISOPRO30	system plate of 30 mm
UFH-PRO	system plate
UFH-ISO20	flat insulation board of 20 mm (PRO-112, PRO-302)
UFH-ISO30	flat insulation board of 30 mm (PRO-113, PRO-303)
UFH-ISOBOARD	edge insulation
UFH-DH40	joint protection sleeve
UFH-ADN10	additive for sand-cement screed
UFH-DP200	expansion joint
UFH-PRO-DIA	diagonal holder for system plates
UFH-ISOPRO-AD11	door passage element of 11 mm in insulation material for system plates
UFH-ISOPRO-AD30	door passage element of 30 mm in insulation material for system plates
UFH-ISOPRO-ADA	door passage element made of PS for system plate
UFH-PLUG80	assembly plug for flat insulation board
UFH-FOIL-CLIP25	foil nail

## Hencofloor manifolds



## Hencofloor control units



DESCRIPTION	UFH-ISOPRO-30	UFH-ISOPRO-11	UFH-PRO
Board size (mm)	1450 X 850	1450 X 850	1450 X 850
Usable board size (mm)	1400 X 800	1400 X 800	1400 X 800
Centre-to-centre distance (hor./vert) (mm)	50	50	50
Min. centre-to-centre distance (dia.) (mm)	70	70	70
Thickness of insulation dL (mm)	30 - 2	11	/
Total thickness (mm)	55	31	22,5
Pipe diameter (mm)	15 - 17	15 - 17	15 - 17
Quality type	PST-TK 5000	EPS W 30	/
Application according to DIN 4108-10	DESsg	DEO	/
Building material class according to DIN 4102	B2	B2	/
Building material class according to EN 13501-1	E	E	/
Density (kg/m³)	/	> 30	/
Sound-damping	28 DB	/	/
Rigidity class (MN/m³)	20	/	/
Thermal conductivity (W/mK)	0,04	0,035	/
Thermal resistance (m²K/W)	0,75	0,31	/
Dimensional stability up to (°C)	80	80	/
Flexural strength (kPa)	> 100	/	/
Max. pressure load (kPa)	5 (500 kg/m²)	75 (7500 kg/m²)	5 (500 kg/m²)
Hydrophobic according to DIN 18560	PS 0,6 mm	PS 0,6 mm	PS 1 mm
Packaging (pc.)	6	13	12

## Hencofloor systems



**System plate PRO**  
pre-formed system plates



**Tacker CLIP**  
system with tacker staples



**Mounting profile U**  
system with mounting profiles



**MAZE steel mesh**  
system with steel meshes



**OMEGA dry system**  
system for floor element construction



**RENO12**  
system for low construction heights

- PRO-30** system plate of 30 mm
- PRO-302** system plate of 30 mm with flat insulation board of 2 cm
- PRO-303** system plate of 30 mm with flat insulation board of 3 cm
- PRO-11** system plate of 11 mm
- PRO-112** system plate of 11 mm with flat insulation board of 2 cm
- PRO-113** system plate of 11 mm with flat insulation board of 3 cm
- PRO-budget** system plate

## Warranty

Henco has been awarded more than 50 quality certificates by renowned institutes all over the world. These certificates underpin the 10-year warranty included in every Hencofloor underfloor heating.

