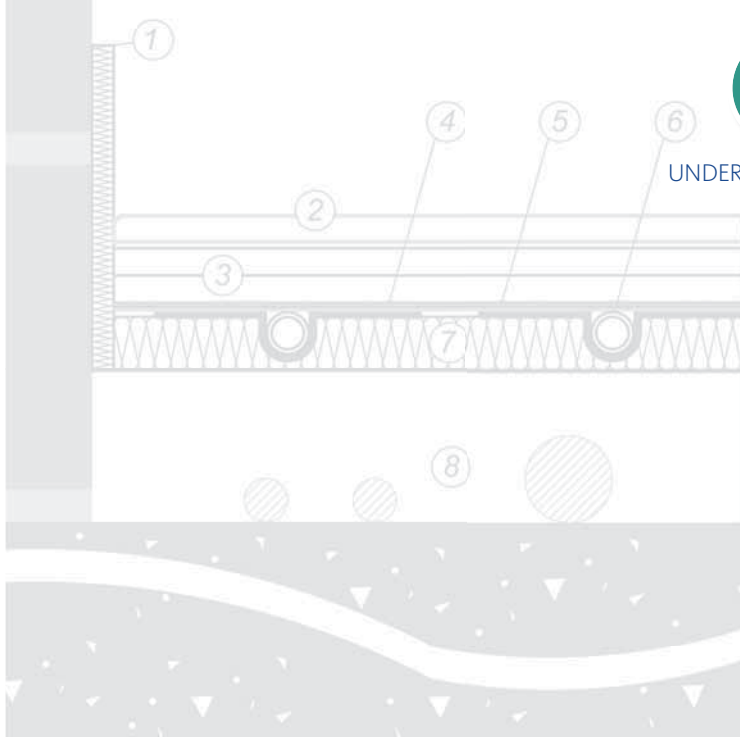


# HENCOFLOOR DRY SYSTEM



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

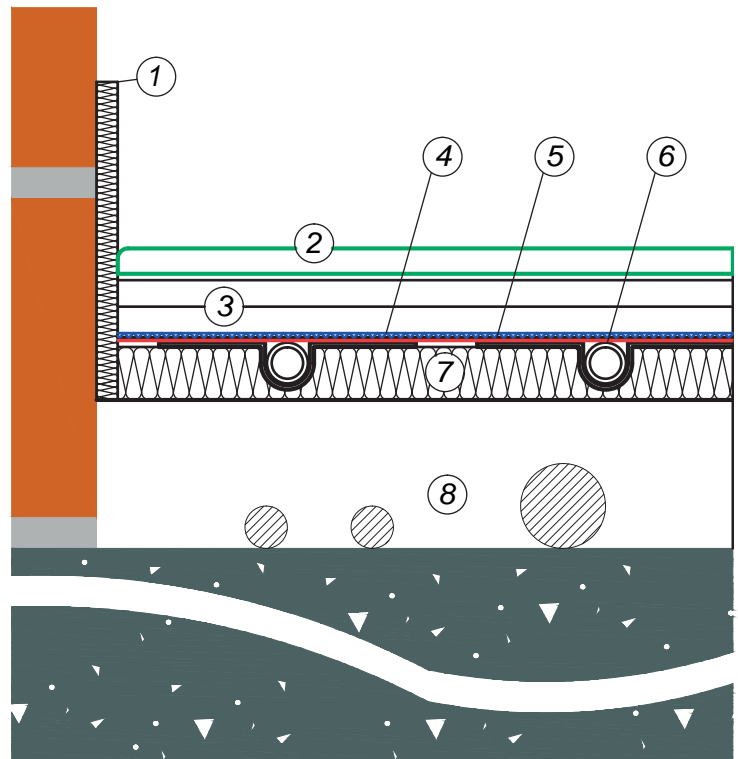


### The HENCO multilayer pipe has all the advantages of metal and plastic

- ▶ 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 dry system

This is an underfloor heating system for when a small construction height is required. Another important property is the low weight of the total dry system. This allows the system to be applied in places where the load-bearing construction is less strong (e.g. framed structures).

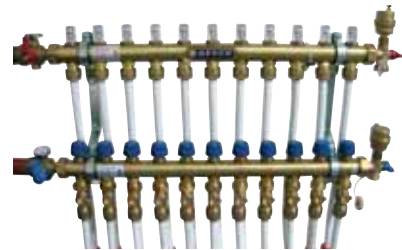


- |                        |                                                       |
|------------------------|-------------------------------------------------------|
| 1 Edge insulation      | 6 Underfloor heating pipe with heat diffusion profile |
| 2 Floor finish         | 7 Dry system board                                    |
| 3 Floor element        | 8 Concrete slab                                       |
| 4 Vapour barrier       |                                                       |
| 5 Heat diffusion sheet |                                                       |

## Hencofloor dry system components

DESCRIPTION	DESCRIPTION
UFH-ISODRY-25	dry system board
UFH-DRY-GP100	heat diffusion profile for dry system
UFH-DRY-VD100	heat diffusion sheet for dry system
UFH-DRY-B	plastic bracket to fasten the pipe in bends
UFH-ISO20	flat insulation board of 20 mm (OMEGA-252)
UFH-ISO30	flat insulation board of 30 mm (OMEGA-253)
UFH-FOIL-N	PE foil
UFH-ISOBOARD	edge insulation
UFH-PLUG80	plug for flat insulation board

## Hencofloor manifolds



## Hencofloor control units



DESCRIPTION	UFH-ISODRY-25
Board size (mm)	1000 X 500
Thickness of insulation (mm)	100
Thickness of insulation under the pipe (mm)	25
Min. centre-to-centre distance (hor./vert) (mm)	6
Pipe diameter (mm)	16
Material according to EN 13163	EPS-EN13163-T1-L1-W1-S1-P3-DS(N)5-DLT(2)5- BS250-CS(10)150
Quality type	EPS W 30
Application according to DIN 4108-10	DEO
Building material class according to DIN 4102	B1
Building material class according to EN 13501-1	E
Density (kg/m <sup>3</sup> )	> 30
Thermal conductivity (W/mK)	0,035
Thermal resistance (m <sup>2</sup> K/W)	0,6
Dimensional stability up to (°C)	80
Flexural strength (kPa)	> 100
Max. pressure load (kPa)	35 (3500 kg/m <sup>2</sup> )
Packaging (pc)	20

## Hencofloor systems



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



**Tacker CLIP**  
system with tacker staples



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



**Mounting profile U**  
system with mounting profiles



**MAZE steel mesh**  
system with steel meshes



**RENO12**  
system for low construction heights

**OMEGA 25**  
**OMEGA 252**  
**OMEGA 253**

## 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.

