

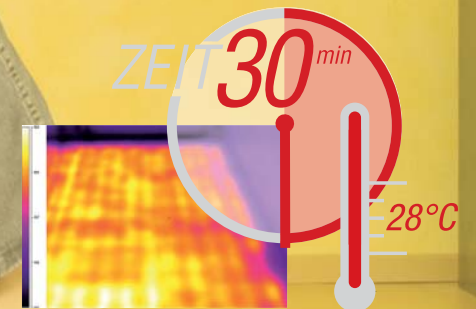
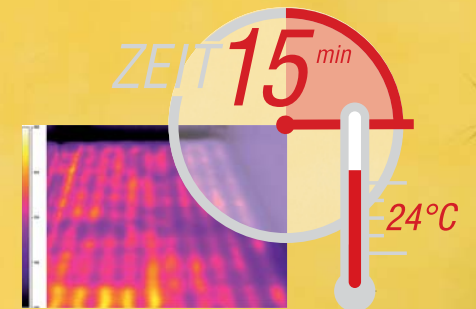


The floor heating

actifloor 

The thin floor heating ■ *Operated with water* ■ *simply feel good* ■ *heat in 10 minutes!*

HEALTH AND WELL-BEING



Comfortable warmth can already be felt through the floor after only 10 minutes. Think nothing of sitting on the floor, simply relax and enjoy life properly.

THE ACTIVE FLOOR HEATING

The new floor heating ACTIFLOOR was created to fulfil modern requirements in the home. It combines the **best efficiency** with low heating times and a sleek design.

The installation times are reduced to a minimum and the underground can be flexibly selected. Whether plaster, wood, stone floor, tiles or any other flooring – with an exceptional minimal installation height of 12mm ACTIFLOOR is best suited for **almost every type of use**. It is supplied via water, for which every type of energy supplier can be used.

ACTIFLOOR is also best suited for refurbishment. The heat conducting strip can be directly affixed to existing tiled floors. The oxygen-tight, water heating PB pipe is taken from the heat conducting strip and **any traditional flooring can be placed** over it.

Of course economic considerations also play an important role in the selection of suitable heat distribution. That's why a slow panel heating system (with long heating up times) has no place in a modern home!

Because of good insulation and large glass panes a lot of warmth can be obtained from the sun even in winter. However the changing temperatures must be responded to. If there is still heat in traditional floor heating in spite

of solar radiation this free energy cannot be used. But if it becomes cloudy or the sun disappears behind the horizon the glass panes immediately react to the increased loss of heat. ACTIFLOOR delivers heat quickly and keeps the room at the **ideal comfortable temperature**.

The new floor heating combines the advantages of traditional radiators and traditional floor heating systems. This active floor heating uses the ability of radiators to **regulate quickly** and offers the healthy aspects of floor heating. The room temperature can be pre-set at a room-sensor and is not controlled by the outside temperature, unlike traditional systems.

The logical conclusion: it can never overheat. Because of the ability to **regulate quickly** and the **low operational temperatures** the combination of modern heating devices such as condensing technology, heating pumps, tiled stove central heating or solar heating is ideal. The valuably produced energy is implemented effectively and with precision.

The low flow temperatures also increase the efficiency and performance of alternative energy such as heat pumps for example. All energy is valuable energy! That's why we have developed a piping system that is fitted in the insulation underneath the plaster. This reduces energy loss in the pipes.

ACTIFLOOR is the result of scientific studies and intensive observations of user habits and the reaction to changes in modern houses.

ACTIFLOOR – the perfect solution for floor heating!

- ✓ **Fast reaction times**
- ✓ **Considerable savings on heating from precise energy output**
- ✓ **Well-designed piping system**
- ✓ **Suitable for every source of energy**
- ✓ **Can be refitted easily**
- ✓ **Value for money purchase and installation costs**
- ✓ **Easily able to be operated**
- ✓ **Thin construction height (only 12mm!)**
- ✓ **Operated with water**

PRECISE AND WELL-DESIGNED

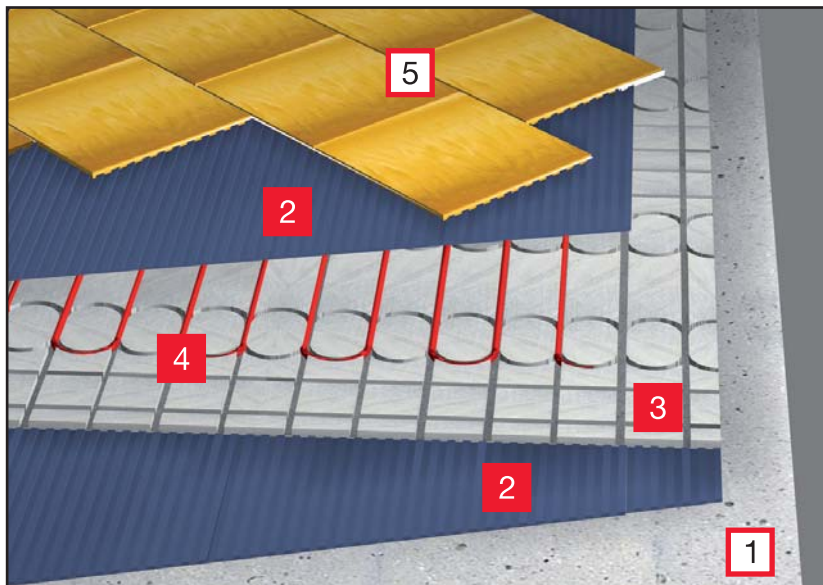


Tiles, wood or stone floors – the flooring base is placed directly on ACTIFLOOR and allows quick reaction to room conditions. This saves valuable energy!

THE TYPES OF CONSTRUCTION

Wet system

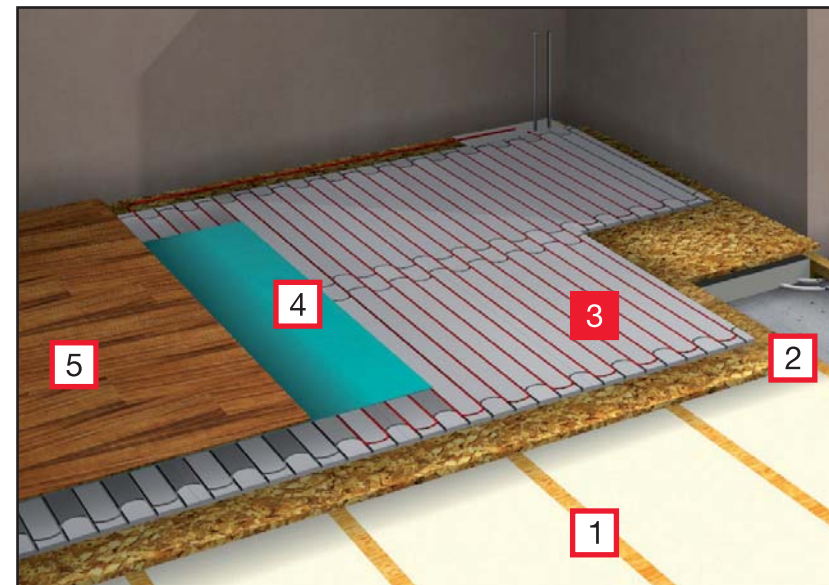
For under the floors such as wet plaster or existing tiled floors the heat conduct plate is glued with ACTIGLUE.



- 1** Plaster or existing cover.
- 2** ACTIGLUE adhesive
- 3** Heat conduct strip
- 4** PB pipe
- 5** Tiles, wood floors, stone, ...

Dry system

Constructions with wood or polysterene are glued and screwed on with heat conduct strips.



- 1** Wood construction with insulation
- 2** Two particle boards
- 3** Heat conduct strips with PB pipe
- 4** Fleece
- 5** Tiles, wood floors, stone, ...



EASY AND FAST

1



2



3



The ACTIFLOOR system is water based and suitable for floors as well as walls. The thin pipe installation gap ensures equal heat circulation.

THE WALL HEATING

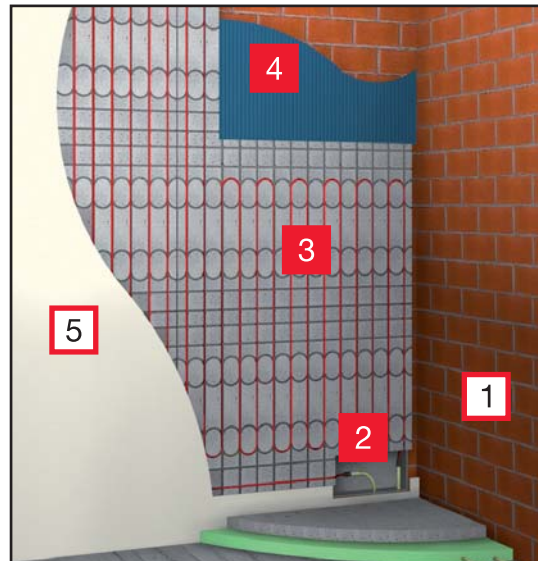
The ancient Romans made a connection from wall and floor heating. Wall heating from the tiled stove has the best quality of heat absorption. This arises from scientific studies from the Austrian tiled stove organisation. The ACTIFLOOR system is **ideally suited to wall heating**.

As with floor construction, the thin construction on the wall is essential to produce energy efficiently and precisely. With **operation temperatures of 35 – 40 °C** the heat can be felt in the room. The easy to operate panels allow the creation of **individual comfort temperatures**. In the hot summer months the wall panels can also be used for pleasant and gentle cooling.

All wall set and constructed radiators function on the principle of convection heat. This sort of heating causes a large amount of dust turbulence and particularly leads to allergies and health problems for people sensitive to dust. Wall heating in contrast **reduces the convection portion in the air** up to 50% and therefore becomes more and more popular.

Wet and dry system

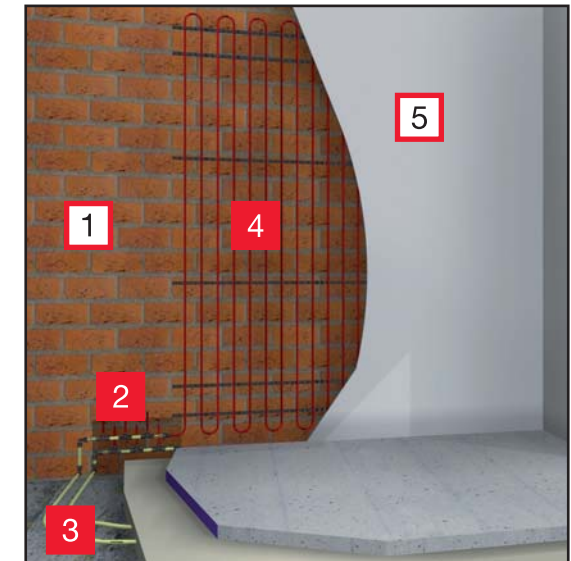
The heat conduct strip is affixed and screwed onto the wall with ACTIGLUE.



- 1 Brick masonry
- 2 Sliding sleeve – pressed connection
- 3 Heat conduct strip with PB pipe
- 4 ACTIGLUE adhesive
- 5 Plaster

Rail system

The wall rails are installed and the PB pipe is then fitted.



- 1 Brick masonry
- 2 Sliding sleeve – pressed connection
- 3 Inlet pipe
- 4 Wall rail piping with PB pipe
- 5 Plaster

actifloor

ACTIFLOOR is a HAFNERTEC Bicker GmbH brand

Mitterburgerstraße 4 ■ 3370 Waasen ■ Tel. +43 (0) 7412 / 53694 ■ Fax-DW 40 ■ www.actifloor.at ■ info@actifloor.at

klimateutral gedruckt  CP IKS-Nr.: 967-53401-0511-1160

