PIPE SYSTEMS
MADE IN
GERMANY

MAINCOR

MAINFLOOR

UNDERFLOOR HEATING SYSTEMS

WARM FEET FOR EVERYONE

MAINCOR - YOUR GERMAN PIPE PRODUCER

MAINCOR Rohrsysteme is a German pipe manufacturer based in Schweinfurt with 430 employees and a deep know-how in the production of plastic pipes for building and industrial applications.

Within our Building Solution division we offer a set of high quality solutions that provide safety and comfort to your home.

PER YEAR

over **200 Mio.** METERS

PIPES produced

BUILDING SOLUTIONS

& Industry

430

EMPLOYEES

MADE **IN GERMANY**

SERVICE FOR **YOU!**

GREEN FACTS ABOUT US..

MAINCOR invests every year to reduce the CO_2 foot print.
Did you know that we are producing more than 22% from our own used energy with our PV panels?

PV Roof Systems (inst. capacity) **1.587 kWp**

PV Solar Plant (inst. capacity) **448 kWp**

Share of self-produced Energy 2021 **25%**
▸ ↑35% step-by-step increase

PV Energy Production 2020 **1.725.664 kWh**

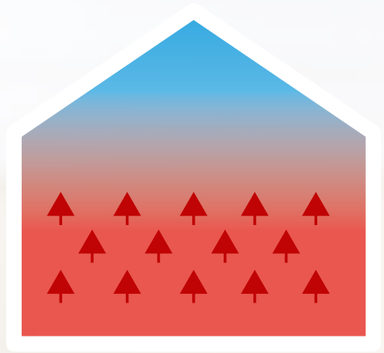
1.350 tons CO_2-Reduction

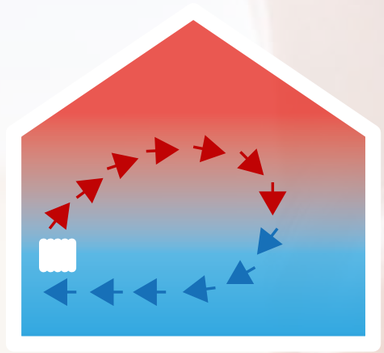
MAINFLOOR

UNDERFLOOR HEATING SYSTEMS

With our MAINFLOOR underfloor heating system you will find various options for a quick, safe and flexible installation of the PE-RT (5-layer) pipe.

We have a solution for every building situation and you will also receive all necessary accessories that you might need, such as manifolds (also pre-assembled available), compression fittings, thermostats, actuators and more.



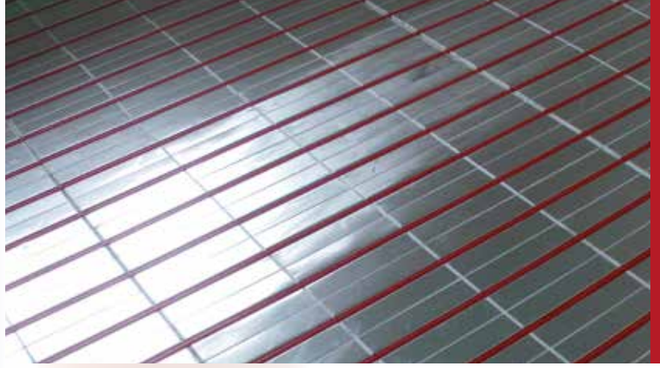


- A room that is heated by underfloor heating feels warmer than a room with radiators
- More energy efficient (reduced heat loss)
- Prevents the development of dust mites and mold spores

OUR PIPES

All our PE-RT pipes have 5-layers so that the oxygen barrier (EVOH) is protected by the outside layer.

- No corrosion or incrustation
- Oxygen tight
- Easy to bend and fast to install
- Can be used for heating and cooling



Dry construction system

- Any type of flooring can be installed on top
- Even temperature spread thanks to aluminum plates
- Easy to install on the floor as well as on the wall

Rail system

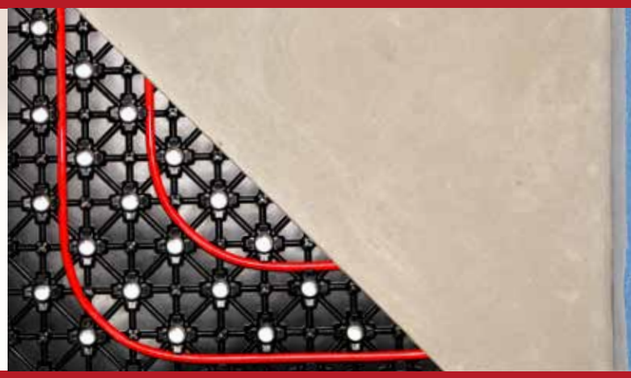
- Easy to install
- For floor and wall installation
- Self adhesive rail

Stapler system

- The standard in UFH – fast and easy
- The pipe is fixed via staples
- All laying patterns are possible

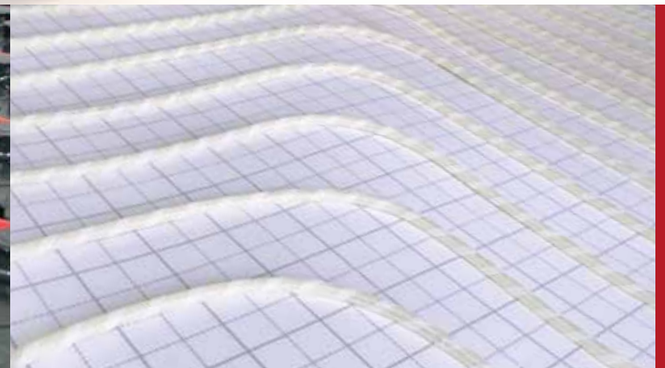
Renovation system (mini)

- Perfect renovation system when low hights are needed
- Pipe diameter 10 mm
- Direct installation on existing tiles
- Can also be used for ceiling cooling



Pipe positioning panel system

- Diagonal and axial laying possible
- One man show
- Minor waste since connection is possible
- With and without insulation



Hook & Loop system

- Efficient, tool-free alternative
- Secure hold due to very good adhesive surface
- Laying can be adjusted at any time

MYTHS AND ADVANTAGES OF PE-RT PIPES

„THERE IS NO EXPERIENCE WITH PE-RT PIPES“

PE-RT has been developed in the 1990s and is being used since then for underfloor heating and sanitary applications in a massive scale in Europe and all over the world.

„IT IS NOT POSSIBLE TO COMPARE PE-RT TO PEX“

Requirements for applications are defined by ISO10508 in application classes. If a certain pressure level for a specific application class is needed and pipes made of different material have this rating they are absolutely comparable.

„PEX IS THE STRONGER AND MORE DURABLE MATERIAL“

This is a historic myth! PEX as been invented in the 1960s and was a material with far superior long term properties as all other comparable polymeric materials that have been known at that time. This archaic fact has been used as a marketing instrument ever since then. PE-RT, invented in the 1990s, is the more modern and sophisticated material. Tests, based on application requirements, show that both materials can be considered as equally suited in regard of their long term behaviour.

„PLASTIC PIPES ARE ENVIRONMENTALLY CRITICAL AND USE HUGE AMOUNTS OF RESOURCES“

As long as plastic will and can be recycled its environmental footprint is not critical. Even with the additional layers (EVOH and adhesive) a PE-RT pipe can easily be recycled. However, it is impossible to recycle PEX.

„IN CONTRAST TO PEX, PE-RT IS SAFE TO USE IN TAP WATER“

Due to the crosslinking, regardless of the type of PEX, special ingredients have to be added to the material. Some of these substances are very dangerous to human health and the environment. If not all of these substances are being used up for forming the crosslinking they will migrate into the water thus creating a potential health risk.

„PE-RT IS MORE COST EFFECTIVE THAN PEX“

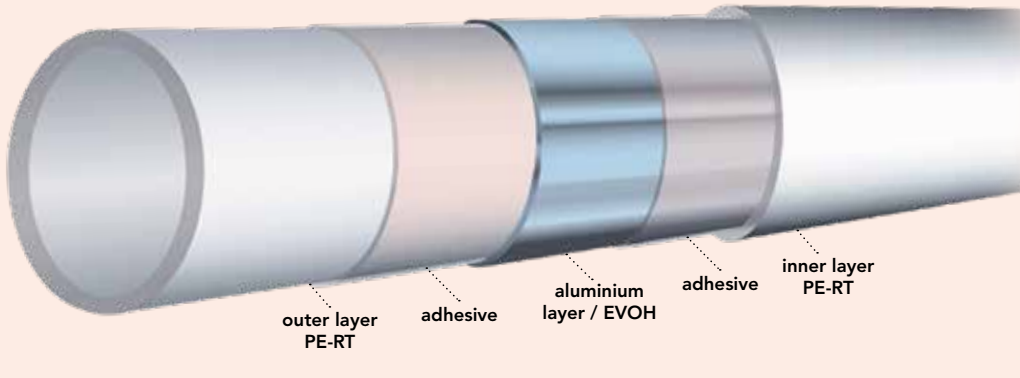
Thanks to the unique molecular formation, PE-RT does not need any additional crosslinking procedures (heat treatment, radiation treatment, special peroxidic ingredients etc.) and can therefore be produced resource-efficient.

„PEX CAN POLLUTE THE ENVIROMENT“

PE-RT does not emit hazardous substances like VOC (volatile organic compounds) into the surrounding air. Benzene, Ketone and others have already been found leaking from PEX pipes. These substances are leftovers from the quite complicated chemistry needed for forming the crosslinking. In PE-RT these substances cannot come out because they are not included in the first place because crosslinking is not required.

WHAT IS THE ADVANTAGE OF A 5-LAYER PIPE COMPARE TO 3-LAYER PIPE?

Everyone knows about the situations on a contruction side. A 5-layer pipe gives the maximum security. As you can see on the picture the oxygen barrier is protected by the outer layers, so it will not get damaged.



PIPE SYSTEMS MADE IN GERMANY

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