

HEATRACK®

THE EASIEST AND CLEANEST WAY TO INSTALL AN UNDER-FLOOR HEATING SYSTEM

PRODUCT OVERVIEW
EFFECTIVE FROM 1ST JANUARY 2011





Heatrack® Single



Heatrack® U-Turn



Heatrack® Pre Assembled



Heatrack® Silicone

HEATRACK® - The Ideal Heating Solution

Single HEATRACK® Panels

This patented concrete-free under-floor heating system features 1.22m (48") long x 12mm thick panels backed with aluminium. So they're not only neat and easy to install, they also reduce energy costs, compared to other under-floor heating systems.

U-Turn HEATRACK® Panels

These special U-Turn panels (filler strips) are part of the system to make installations neat and easy.

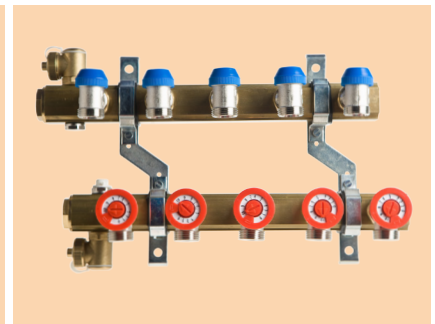
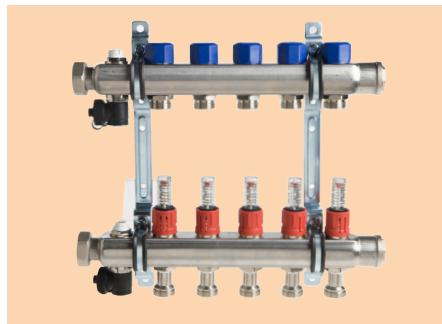
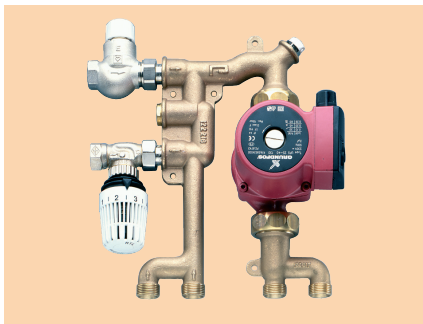
Pre-Assembled HEATRACK® Panels

The patented HEATRACK® - pre-assembled system offers the same benefits as the single Panels - plus the added advantage of pre-assembling them for dramatically faster installation.

Because they are pre-assembled and folded, pre-assembled panels are easy to handle and carry. To install, simply unfold the pre-assembled panels, interlock the sections, fasten to the subfloor, and walk in the Polytherm® tubing. It's that easy.

Silicone For HEATRACK®

This specially designed heat transfer adhesive aids the heat transmission into the heated zone.



HEATRACK® Panel Advantages

Easiest Installation

Laydown up to 1.28sq. m at once; fast installation over any subfloor surface; panels come in easy-to-carry bundles.

Clean, Time-Saving Dry System

No mess/no waiting; no need to schedule pours or wait for concrete to set; no additional water introduced.

Lightweight & Structurally Sound

No need to adapt wood frame for structural issues (lightweight concrete weighs 70kg/sq m on a 40mm pour versus Heatrack which weighs just 6.3kg/sq. m including the pipework).

Versatile

Works with all floor surfaces; for new construction or retrofit applications with any finish floor surface. HEATRACK® Panels add only 12mm to total floor thickness so there's no need to change doors or mouldings.

Energy Efficient

Responds to temperature changes faster than concrete; conducts heat better also. It uses lower water temperatures than with traditional systems.

Polytherm® PEXc Pipe

Backed by over 25 years of German production experience, Polytherm's pipe is manufactured by the world's largest PEX and Multilayer pipe producer. The pipe is electronically cross linked polyethylene to ensure the most uniform structure.

The high density PEXc piping is constantly monitored and tested to EN and DIN standards to ensure the highest possible quality and longevity.

Polytherm® Manifolds and Pump Stations

Polytherm's complete floor heating solutions include a wide selection of pre assembled solid brass and stainless steel manifolds. These manifolds come complete with flow valves for water regulation and also mounting brackets for easy installation to the wall.

Polytherm® also offers a one room/zone complete preassembled room mixing station for easy installation.

Controls

We also offer a variety of non-electric and electronic control systems - from single room monitors to the most sophisticated optimisation controls for any under floor heating or cooling system.



Polytherm® Digital Thermostat:

Electronic thermostat with LCD display mode for water floor heating.

Three Functioning modes: Comfort, reduction or Clock mode.



Polytherm® Digital Programmable Thermostat:

Electronic programmable thermostat with the ability to control six different time and temperature setting per day.

An easy to use adjustable temperature with a frost protection function.



Polytherm® Network Touch Screen Thermostat:

Electronic low voltage programmable touch screen thermostat.

Possible to use in a network system with the option of a central controller controlling all thermostats in the building.

Heating can be controlled remotely from SMS or the internet function available.



Polytherm® Logic Strip:

Polytherm® PLC Controller used to control up to 8 heating zones.

Two relays allowing a 230 Volt / Volt Free switch to signal pump or boiler. Also available in 24Volt with the option of 10 zones.



Polytherm® Actuator:

Polytherm® actuators are normally closed. When power is sent from the thermostat the actuator opens to allow water flow and heat the required zone.

The actuator is available in both 230 & 24V.



Polytherm® Q4/Q8 Controller:

Polytherm® 230 Volt PLC Controller can control from 4 - 8 heating zones.

Functions to switch pumps, boilers or zones valves.

Possible to switch a volt free contact.

A specialised control programme can be designed to suit any application.

Faster, lighter and neater than concrete

Unlike systems that require concrete pouring, Polytherm HEATRACK® Panels can be installed directly over or under the subfloor. This 'dry' method means:

- No extra water introduced (every sq m of light weight concrete adds 24 litres of water).
- No extra weight, which may require costly framing adaptations.

Easy Installation Step By Step

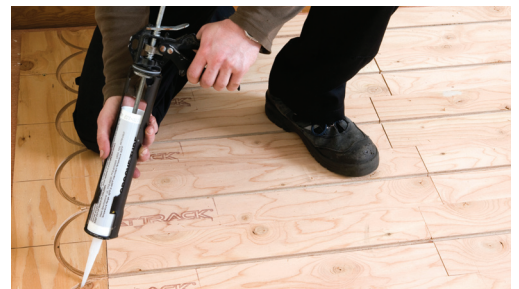
Step 1 *Lay down HEATRACK® Panels over subfloor.*



Step 2 *Fasten HEATRACK® Panels to plywood using 32 x 8mm wood screws to achieve a sturdy fixing.*



Step 3 *Apply HEATRACK® adhesive to grooves in the HEATRACK® Panels.*



Step 4 *Simply walk in Polytherm® Pipe.*


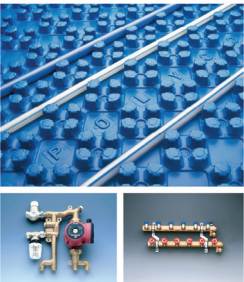


After the above steps are completed the finished floor can be laid directly on the HEATRACK® Panels.




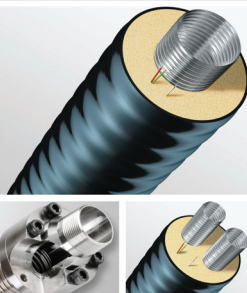
POLYCOMFORT®
THE PPE-CBM UNDERFLOOR HEATING SYSTEM

TECHNICAL CATALOGUE
EFFECTIVE FROM JANUARY 2019





CASAFLEX®
HIGH TEMPERATURE PRE-INSULATED PIPING SYSTEM

PRODUCT OVERVIEW
EFFECTIVE FROM JANUARY 2019



CALPEX®
PRE-INSULATED PIPING SYSTEM

PRODUCT OVERVIEW
EFFECTIVE FROM JANUARY 2019



PRESSTITE
MULTI-LAYER PIPE & PRESS FITTINGS

PRODUCT CATALOGUE
EFFECTIVE FROM JANUARY 2019



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