



Install your **future**



SYSTEM **KAN-therm**

bluePERTAL

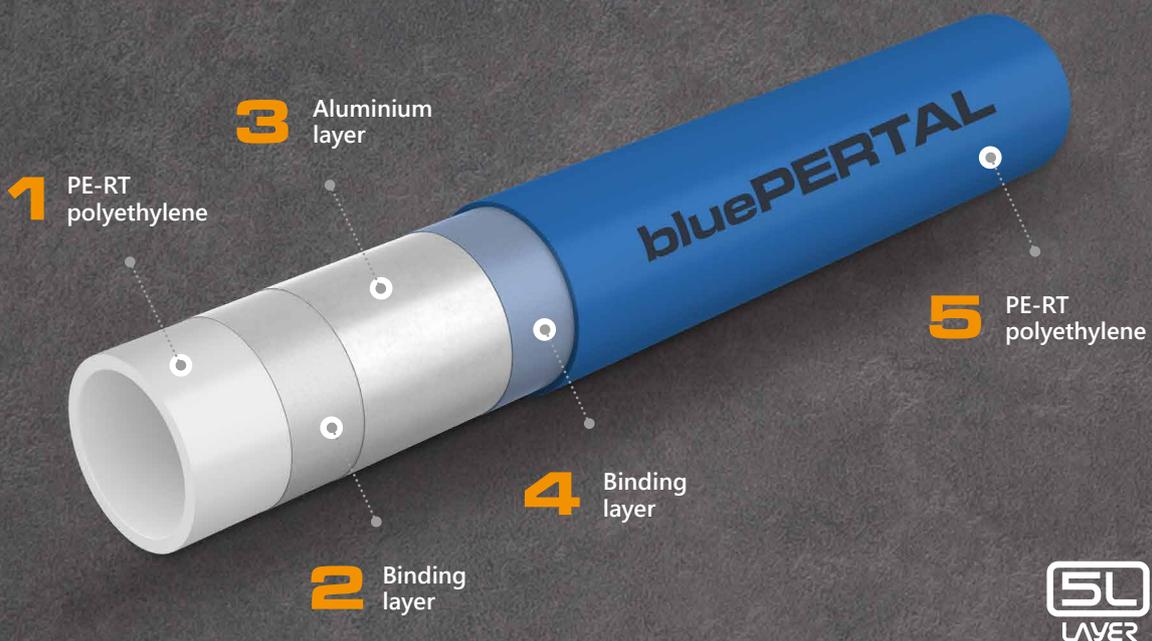
A pipe with an aluminium layer has been added to the range of KAN-therm blue pipes!

- more flexible
- possibility to optimise surface heating/cooling costs
- available in 200 and 600 m coils



KAN-therm bluePERTAL is a continuation of the blue line of pipes popular on the market for floor, wall or ceiling heating and cooling installations. KAN-therm bluePERTAL will be appreciated by enthusiasts of pipes with a layer of aluminium. The high flexibility of the aluminium layer facilitates the arranging and profiling of the heating and cooling loops and eliminates the shape memory phenomenon in the bluePERTAL pipes.

The flexible aluminium layer butt-welded using laser technology acts as an anti-diffusion layer and guarantees tightness against oxygen ingress into the system, protecting its components against corrosion. The pipes are made in line with ISO 21003. Between the aluminium and polyethylene layers, there is an adhesive binding layer that permanently bonds metal with plastic. bluePERTAL pipes with a layer of aluminium are offered in standard coils of 200 or 600 m.



Properties of KAN-therm heating/cooling pipes

Property	Symbol	Unit	bluePERTAL
Lineal elongation coefficient	α	mm/m×K	0,025
Heat conductivity	λ	W/m×K	0,43
Minimal bend radius	R_{min}		5×D
Internal wall roughness	k	mm	0,007
Anti-diffusion barrier			Al
Max. working conditions (for class 4 according to ISO 10508)	T_{max}/P_{max}	°C/bar	70/6