

## **METAL COMPOSITE PIPE MMP**

### **HAKAflex PE-RT I/AI/PE-RT I**

The extremely flexible HAKAflex metal composite pipe was specially developed for heating installers. The innovative interaction of the temperature-resistant polyethylene and an aluminium layer makes the pipe very flexible and thus extremely durable and easy to lay.

Available as an OEM/private label product Ø 16 × 2.0 mm in selected coil lengths.

**LASER-WELDED**

## APPLICATION AREAS

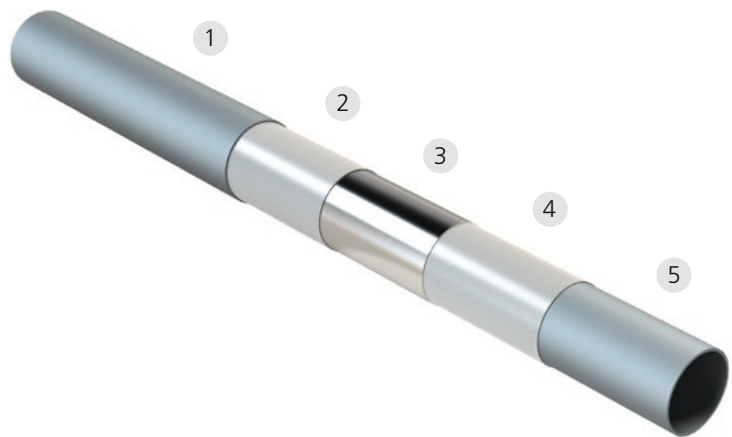
- Surface heating
- Cooling system
- Radiator connection

## ADVANTAGES

- No oxygen diffusion thanks to butt-welded aluminium layer
- Low thermal linear expansion
- Resistant to numerous chemicals
- High flexibility and yet dimensionally stable laying
- No incrustation thanks to the smooth inner pipe surface

## LAYER COMPOSITION

- 1 Outer layer of PE-RT type I
- 2 Adhesion promotor
- 3 Longitudinally butt welded aluminium pipe
- 4 Adhesion promotor
- 5 Inner layer of PE-RT type I



## PROPERTIES

Outer pipe diameter [mm]	16
Pipe wall thickness [mm]	2.0
Inner pipe diameter [mm]	12.0
Thickness of aluminium layer [mm]	0.15
Smallest bending radius [mm] without bending device (T = 20 °C)	80
Smallest bending radius [mm] with bending device (T = 20 °C)	48
Weight per meter [g/m]	100
Water content [liter /m]	0.113
Maximum operating temperature, over 50 years [°C]	60
Maximum operating temperature, max. 1 year [°C]	80
Emergency operating temperature, max. 100 hrs [°C]	95
Maximum operating pressure, over 50 years [bar]	6
Maximum operating pressure, max. 1 year [bar]	8

### Approvals / Certifications

Our portfolio is constantly being extended.  
You can find the current status on our website or ask us.

Version 01.06.2023 / Errors and changes reserved.

You can find further product properties on our website. Other dimensions on request.

