

# MT-FLEX multilayer pipe



Specially designed for  
surface regulation

Applications:  
Floor heating and cooling,  
wall heating and cooling,  
ceiling cooling

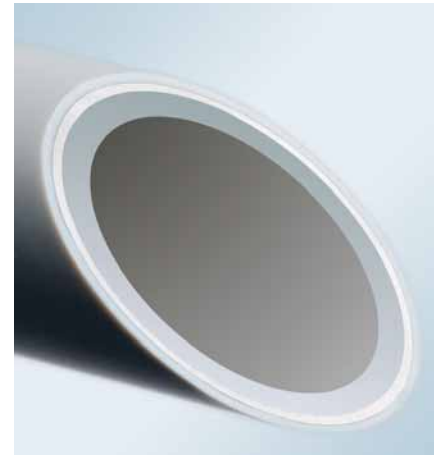
## Special properties

- quick laying even on large surfaces; allows easy bending thanks to the thin aluminium layer, low weight and rapid installation
- stable in form, preventing springback
- high product and processing safety through uniform layer structure as well as equal calculable properties for the entire pipe circumference (each individual layer is checked)
- resistant to temperature and pressure requirements in surface heating and cooling applications
- corrosion-free for long service life
- encrustation-free, therefore no cross-section constriction, reduced pressure losses and constant flow speed

# Technical data »MT-FLEX multilayer pipes«

Description of material: PE · AL · PE

Pipe dimension in mm	11,6 x 1,5	14 x 2	16 x 2
Outer diameter, nominal size in mm	11,6	14	16
Wall thickness, nominal size in mm	1,5	2	2
Internal diameter, nominal size in mm	8,6	10	12
Pipe weight in g/m	64	95	113
Pipe weight with water in g/m	122	170	226
Internal volume in l/m	0,058	0,075	0,113
Heat conductivity in W/m · K <sup>1)</sup>	0,43	0,43	0,43
Expansion coefficient in mm/m · K	0,024	0,024	0,024
Surface roughness (inner pipe) in µm	1,5	1,5	1,5
Oxygen diffusion in mg/(m <sup>2</sup> · d)	0	0	0
Max. operating temperature in °C	60	60	60
Max. operating pressure (at 70 °C) in bar	4	4	4
Malfunction temperature in °C	95	95	95
Bend radius, freely bent	≥ 5 x D	≥ 5 x D	≥ 5 x D
Bend radius with bending tools	≥ 3,5 x D	≥ 3,5 x D	≥ 3,5 x D
<sup>1)</sup> mean value All values are guide values; other dimensions available on request.			



Aluminium layer butt welded without overlap.

