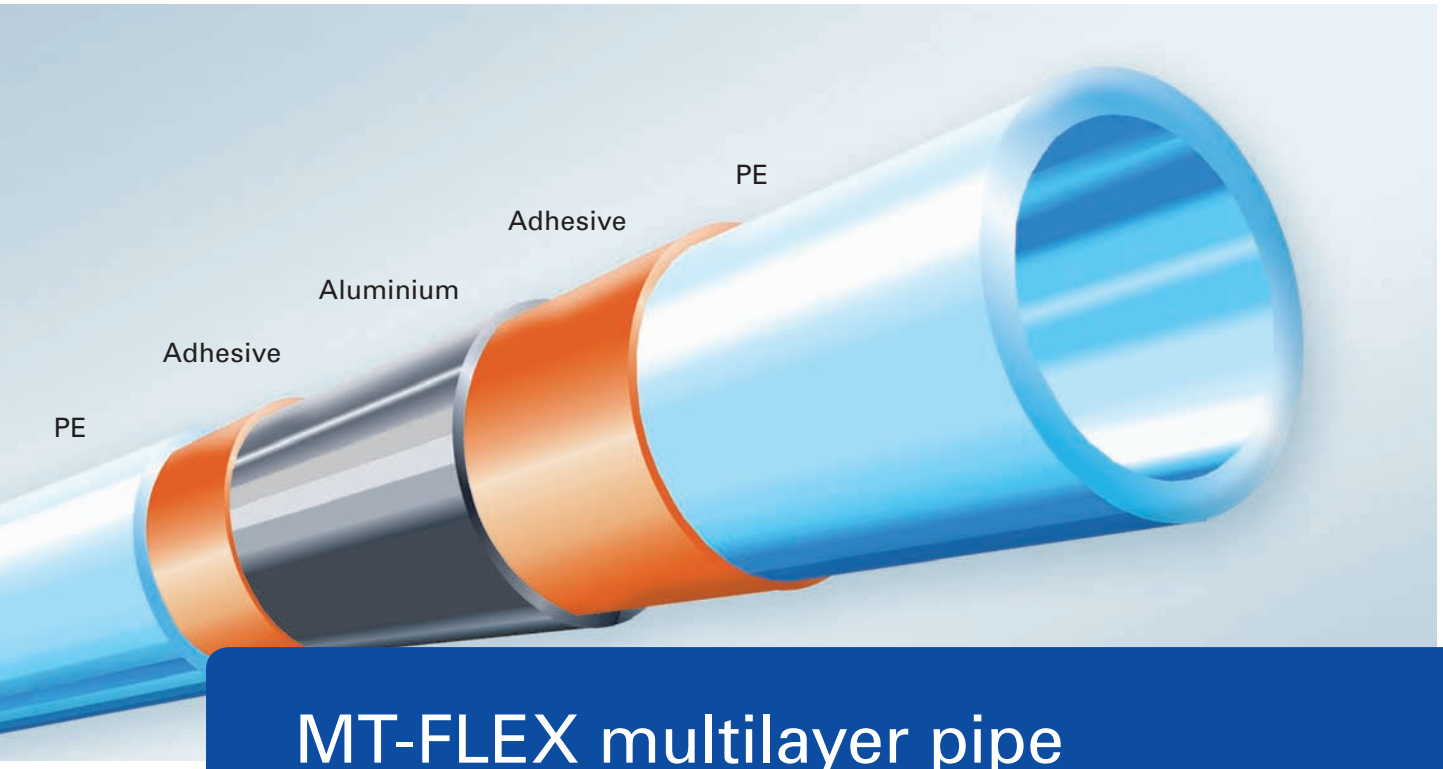
HEWING



MT-FLEX multilayer pipe

Specially designed for surface regulation

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

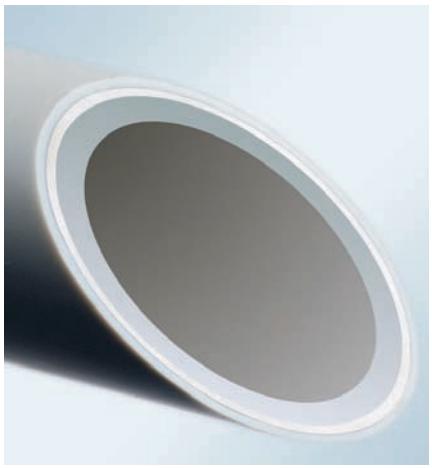
Special properties

- 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

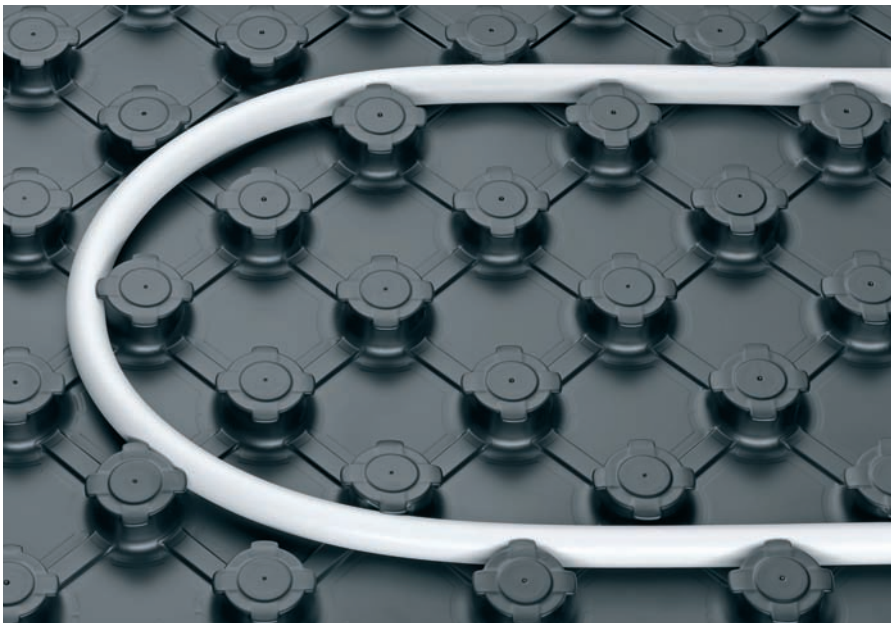
Pipe dimension in mm	11.6 x 1.5	14 x 2	16 x 2
Outer diameter, nominal size in mm	11.6	14	16
Wall thickness, nominal size in mm	1.5	2	2
Internal diameter, nominal size in mm	8.6	10	12
Pipe weight in g/m	64	95	113
Pipe weight with water in g/m	122	170	226
Internal volume in l/m	0.058	0.075	0.113
Heat conductivity in W/m • K[1)]	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^2 • 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



Aluminium layer butt welded without overlap

[1)] mean value

All values are guide values, other dimensions available on request.



Hewing GmbH Industriegebiet Ost 1 Waldstraße 3 48607 Ochtrup, Germany Phone: +49 (0) 25 53 70-01 Fax: +49 (0) 25 53 70-17 www .hewing.com info@hewing.com

Certified in accordance with: DIN EN ISO 9001+14001