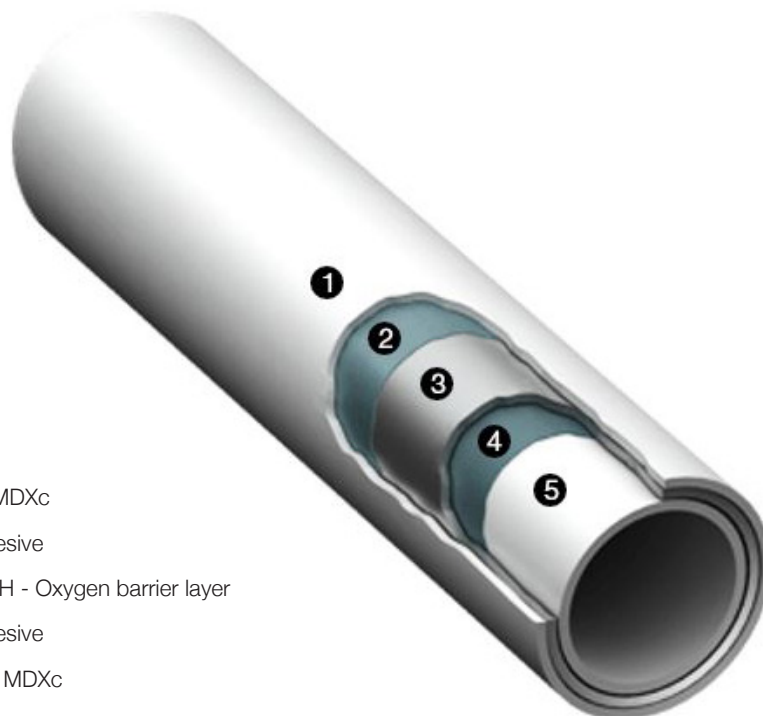


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## Product

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### Aquafloor Pipe PE-MDXc



1. PE-MDXc
2. Adhesive
3. EVOH - Oxygen barrier layer
4. Adhesive
5. PE - MDXc

## Specifications

### Aquafloor Pipe - Special properties

- Highly flexible and therefore especially easy to install; easy to adapt to demands on the construction site which results in quicker installation
- Easy laying in particular when used for surface regulation
- Resistant to temperature and pressure requirements in heating applications
- Oxygen tight according to DIN 4726; prevents incrustations in the heating system
- Corrosion-free for reliable long service life
- High resistance to mechanical impacts, i. e. during transport and on-site
- Encrustation free due to smooth surfaces; no cross-section constriction and constant flow speed
- High solvent and chemical resistance

Test		Value	Unit	Standard
Degree of cross-linking	-	≥ 60	%	DIN 16894
Density	23°C	≈ 0.93	g/cm³	DIN 16894/ DIN 53479
Notch impact test according to Charpy	23°C	no failure	kJ/m²	DIN EN ISO 179-1/2
Tensile strength	23°C	17-25	N/mm²	DIN EN ISO 6259-1
Tenacity	23°C	22-26	N/mm²	DIN EN ISO 6259-1
Elongation at break	23°C	350-600	%	DIN EN ISO 6259-1
Elastic modulus (E module)	23°C	500-800	N/mm²	DIN 16894/ DIN EN ISO 527-1
Stress crack resistance	-	no failure		ASTM D 1693
Moisture absorbtion	-	< 0.01	mg (4d)	DIN EN ISO 62
Coefficient of linear expansion	0°C - 70°C	1.5·10 <sup>-4</sup>	1/k	DIN 16894/ DIN 53752
Thermal conductivity	-	≤ 0.4	W/(k·m)	DIN 16894/ DIN EN 12664
Small bend radius	-	≥ 5·D	mm	DIN 4724
Oxygen tightness*	40°C 80°C	≤ 0.32 ≥ 3.6	mg/ (m²·d) (m²·d)	DIN 4726 DIN 4726
Chemical resistance	-	-	-	DIN 8075, Beiblatt 1

Application							
PE - MDCc Pipe Measurement				Operating conditions			
				Class 4		Class 5	
d <sub>n</sub> mm	e <sub>n</sub> mm	S-Value	SDR Value	T <sub>Max</sub> °C	Pressure Bar	T <sub>Max</sub> °C	Pressure Bar
10.5	1.25	4	9	70	4	90	4
12	2	2.5	9	70	4	90	4
14	2	4	9	70	4	90	4
16	2	4	9	70	4	90	4
17	2	4	9	70	4	90	4
18	2	4	9	70	4	90	4
20	2	5	11	70	4	90	4
25	2.3	5	11	70	4	90	4

## Contact

### thermotec

Southpoint, Compass Park,  
Bodiam, Robertsbridge  
TN32 5BS

[thermotecuk.com](http://thermotecuk.com)

