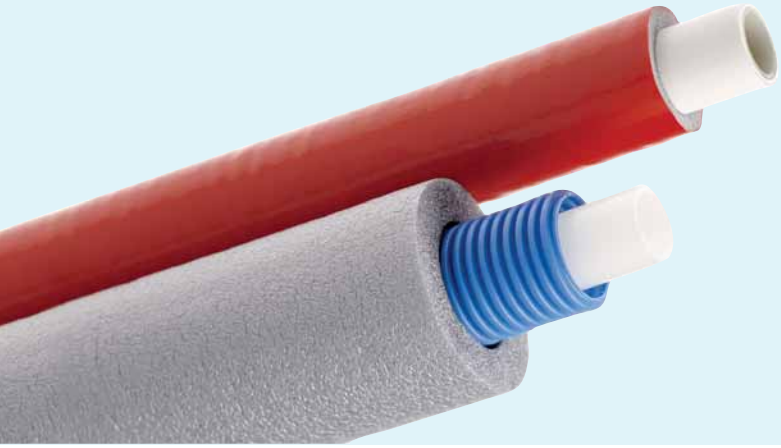
PE-Xc pipes and MT multilayer pipes with insulation



Thermal insulation and condensation protection

Applications:
Tap water installations, radiator connections

Special properties

- Model with an insulation thickness of 9 mm (at = 0.04 W/m·K) in accordance with the heat insulation requirements of the German energy saving ordinance (EnEV) for radiator connections in floor constructions as well as with DIN 1988-2 for drinking water installations
- 4 mm model fulfi ls the requirements regarding condensation protection according to DIN 1988-2, para. 10.2.2, table 9
- time saving laying as the medium-carrying pipe (or for pipe-in-pipe systems the corrugated pipe with the inner pipe) is already applied in-plant with the insulation
- continuous insulation and impact sound protection values, even in difficult-to-access installation areas thanks to continuous insulation sleeve (no critical edges)
- PE coating protects the insulation against exterior moisture and mechanical impacts
- High solvent and chemical resistance

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Technical data »multilayer pipes with insulation«

Raw material: Expanded polyethylene foam mit PE layer

· CFC and HCFC-free
· Closed cell structure
· Resistant to solvents and chemicals (in accordance with DIN 8075, supplement 1)
· Excellent shock-absorption and vibration dampening
· Temperature resistant from -40 °C bis +100 °C
· Heat conductivity in accordance with DIN 52613: 0,040 W/m · K
· Fire behaviour classification in accordance with DIN EN 13501, Klasse E
· 100% recyclable and physiologically safe
Insulation foam thickness:
· 9 mm for heat insulation in flooring structures according to EnEV, Appendix 5, Table 1, Line 7
· 4 mm for absolute condensation insulation according to DIN 1988 part 2, paragraph 10.2.2, table 9
Max. operating conditions*:
· 70 °C/10bar, max. 95 °C
* Data for inner PE-HDXc pipes and MT multilayer pipes

The additional outer PE layer protects effectively against exterior moisture and mechanical damage.

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