

# PE-RT / Multilayer Pipes

Polyethylene of Raised Temperature resistance (PE-RT) – Type II for the multilayer line · Ø16 – Ø25 mm

## System overview

Polymer	Polyethylene of Raised Temperature resistance (PE-RT) – Type II for the multilayer line
Pressure classes	PN6 · PN8
Size range	Ø16 – Ø25 mm
Continuous service temp.	Continuous service up to 70 °C; peaks 95 °C
Minimum / handling temp.	Suitable for cold-climate routing down to –25 °C handling
Joining method	Compression / press-fit (system-specific connectors); do not heat-fuse PE-RT

## Standards & conformity

Scope	Standard
PE-RT pipes	TS EN ISO 22391 / DIN 16968
Multilayer (PE-RT/AL/PE-RT)	TS EN ISO 21003
Quality system	ISO 9001
Conformity	CE marking

## Recommended applications

- Underfloor heating circuits (single-layer or oxygen-barrier multilayer)
- Radiant heating and snow-melting circuits
- Coil distribution to manifold collectors

## Outside the scope of this product line

- Pressurised potable water at PN20+ (use PPR-C or PB)
- Long exposure to direct sunlight without UV-protective sleeve

## Additional note

PE-RT/AL/PE-RT multilayer adds an aluminium oxygen barrier for boiler-loop integrity.

## Manufacturing & raw material

Manufactured at Velimeşe O.S.B. Mah. 227. Sok. No: 24/1, Çerkezköy / Tekirdağ / Türkiye. Quality system: ISO 9001.

Raw material: Korea · USA · Saudi Arabia (100% original virgin polymer).

Manufacturer warranty: Up to 50 years (per product line, when installed and used per published guidelines).

*Project-specific dimensional tables, batch test certificates and DoP documents are available on request – contact [info@vala.com.tr](mailto:info@vala.com.tr).*