

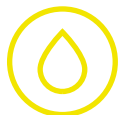
PERT-AL-PERT



WE ARE

a private company Peštan, leader in the Balkans in the production and distribution of products and solutions from the polymers.

Company was founded in 1989 and has been producing water pipes made of polyethylene. Over time, we introduced new materials (polypropylene and PVC) and expanded product range. Today, in our offer you may find more than 6500 products, divided into four categories:



**PIPING
SOLUTIONS**



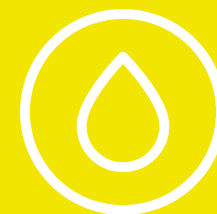
**DRAIN
SOLUTIONS**



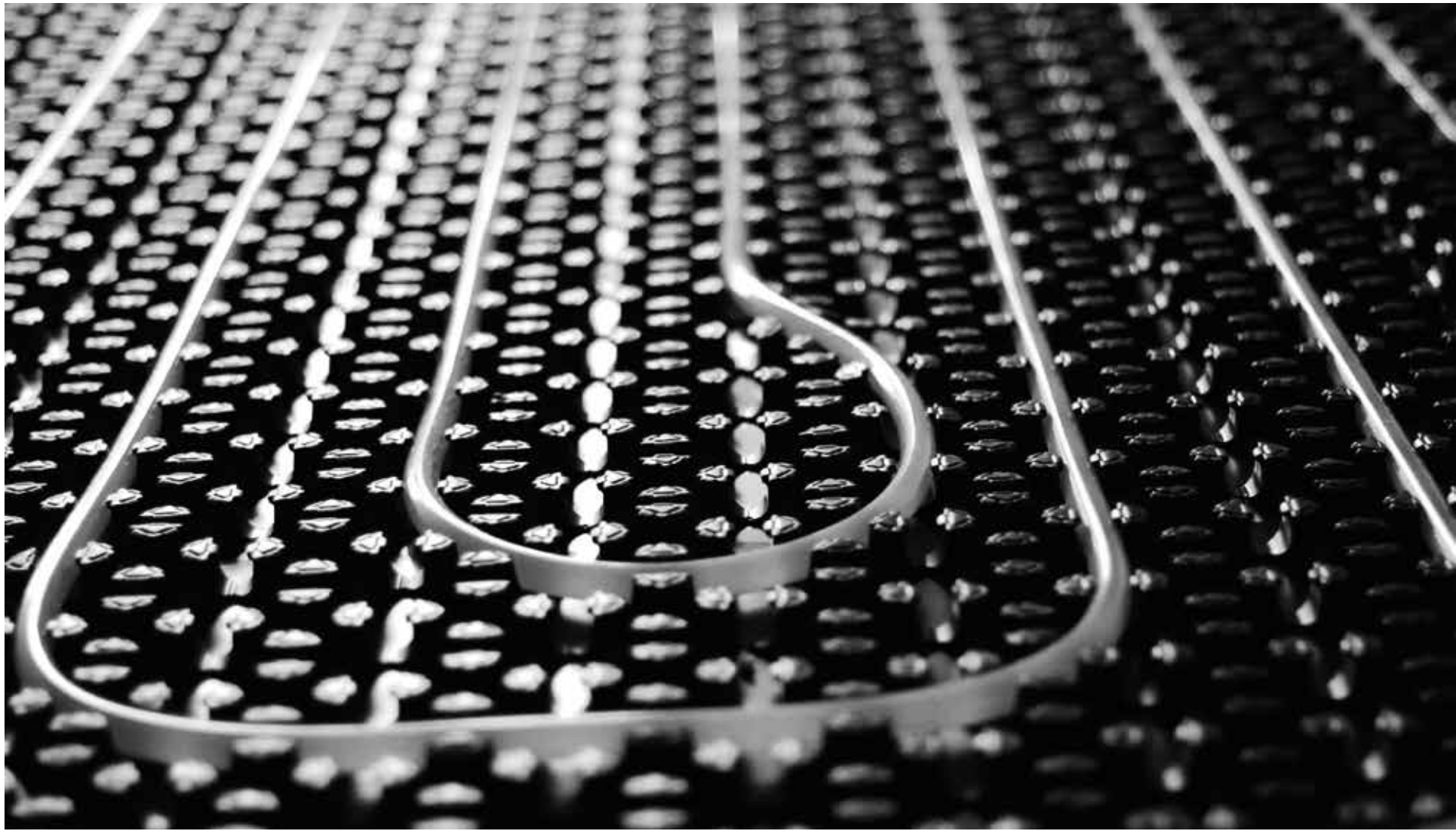
**AGRICULTURE
SOLUTIONS**



**HOUSEHOLD
SOLUTIONS**



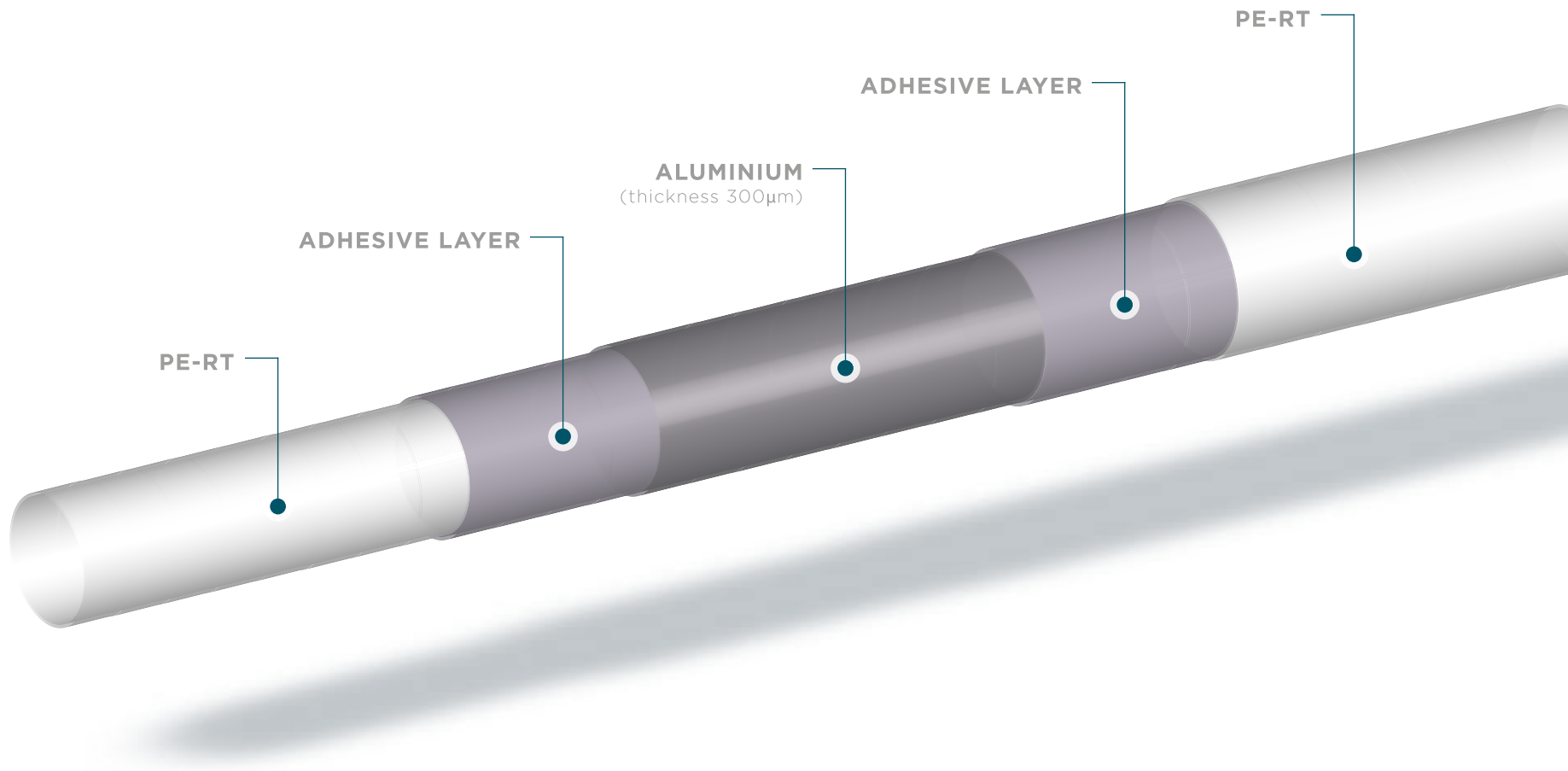
Edition 5



PERT-AL-PERT



Distribution of hot and cold water / Radiator connections / Underfloor heating



STRUCTURE OF PERT-AL PIPES

- Inner PE-RT layer
- Adhesive layer
- Aluminium
- Adhesive layer
- Outer layer made of PE-RT

PROPERTIES OF PERT-AL PIPES

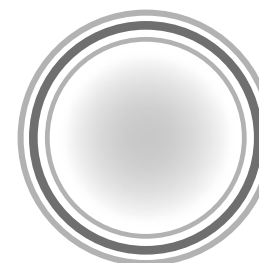
The pipe possesses high resistance to temperature and pressure as well as dimensional stability, impermeability to oxygen, and low thermal expansion.

- The same system for all applications
- Lasting and tight connections
- 100 % oxygen barrier
- Low linear thermal expansion
- Time scale or oxidation will not occur
- Suitable for drinking water supply

CARACTERISTICS OF PERT-AL PIPES

- Good resistance at elevated temperatures
- Shape stability
- Butt - welding process
- Aluminium thickness is 300µm
- Coefficient of thermal expansion is 0.024mm/mK
- Pipes have been tested at 95°C at 3.9 MPa hydrostatic stress for 22h

CROSS SECTION OF PERT-AL PIPES



FIELD OF APPLICATION PERT-AL PIPES

- Hot and cold water distribution
- Radiator connections
- Underfloor heating

BENDING RADIUS OF
ALUPEX PIPES IS 5*OD



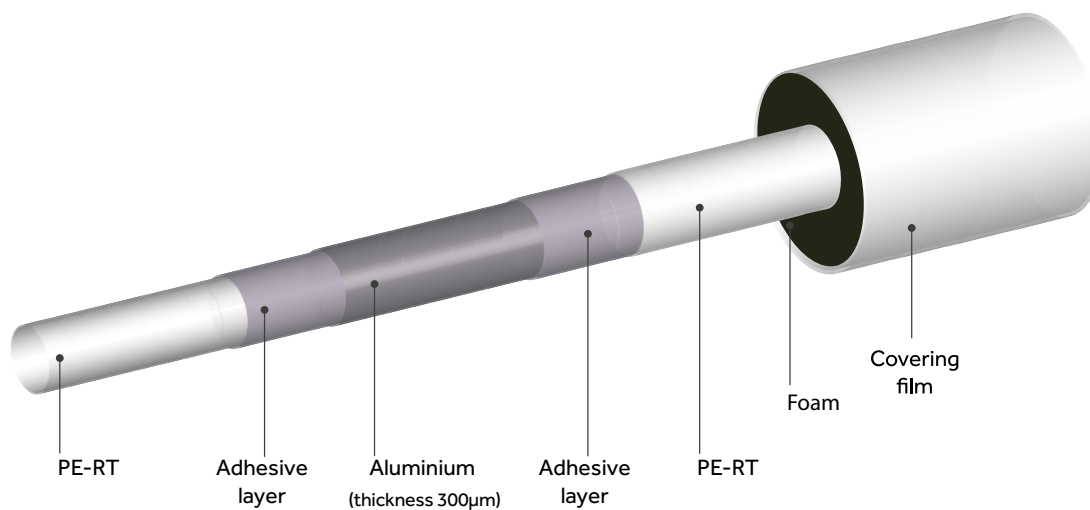
Available products PERT-AL pipes **Ø16, Ø20, Ø25, Ø32**

APPLICATION CLASS	T _D (°C)	TIME ON T _D (YEAR)	T _{max} (°C)	TIME ON T _{max} (GODINA)	T _{mal} °C	TIME ON T _{mal} (SATI)	FIELD OF APPLICATION	PERMISSIBLE OPERATING PRESSURE
1	60	49	80	19	51	00	Hot water (60 °C)	10 bar
2	70	49	80	19	51	00	Hot water (70 °C)	8 bar
4	20	2,5	70	2,51	00	100	Underfloor heating and low temperature radiators	8 bar
	+							
	40	20						
	+							
5	60	2,5	90	11	00	100	High temperature radiators	8 bar
	20	14						
	+							
	60	25						
	+							
	80	10						



PRE-INSULATED **PERT-AL-PERT**

- Hot and cold water transport
- Central heating (radiator connections)



Technical data:

Material: Neumreženi polietilen

Cell structure: Closed cells structure

Thermal conductivity of insulation: $<0,040\text{W/MK}$ at OC according to EN12667

Aerated water pass trough $>$ according to EN13469

Insulation thickness: $24 \pm 10\%$ kg/m³ (ISO 845)

Insulation color: Grey

Insulation width: 6 ± 1 mm according to EN14313:2009+A1: 2013

Insulation work temperature up to: $+85^\circ\text{C}$.

Markings: Peštan, EPE Pipe 16/6, datum.

Available diameters: Ø16, Ø20, Ø25, Ø32

Package: 50 m rolls

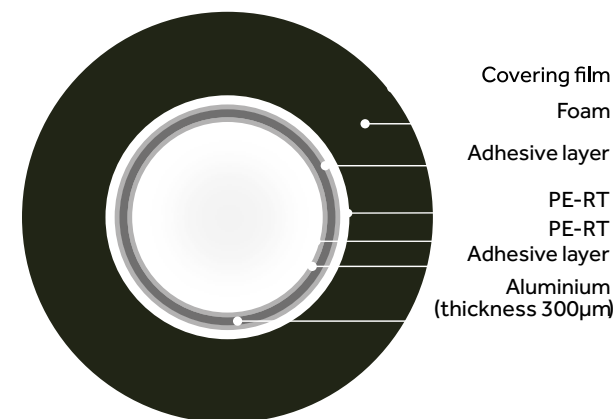
Pestan PERT – AL – PERT pipes are being used for radiating heating installations and potable water transportation. Depending on the client's wish they can be produced with or without protective isolation.

Isolation tube is made of expanded polyethylene foam of closed cells structure. It is meant for thermal insulation of pipe systems and complies with all the most important criteria for thermo-isolation of pipe systems by temperatures up to 85°C .

Pestan pre-isolated PERT-AL-PERT consists of isolation tube and pipe.

Isolation tube is made of expanded polyethylene foam of grey color and doesn't contain CFC nor HCFC. Product must be stored in covered and dry area in it's original package.

Pestan PERT-AL-PERT pipes are made of high temperature resistant polyethylene and it has the rest of the high quality components al in accordance with standard and SKZ certificate to support it.



BRAND MANIFESTO

We do not only sell pipes, we combine reliability with quality for the ultimate benefit of our clients.

We do not build short-term client relationships, but long-term and genuine partnerships.

Everything we do, we do with one thing in mind - to create ideas to perfectly match all our client needs and the best way for us to achieve this goal is to constantly educate our clients provide solutions that meet their specific needs and support them throughout the entire process.

Because our success is as big as your trust in us.



+381 034 700 300
OFFICE@PESTAN.NET

1300 KAPLARA 189
ARANDJELOVAC
34300 SERBIA

WWW.PESTAN.NET