



PE-RT OXY

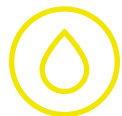


WE ARE

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**



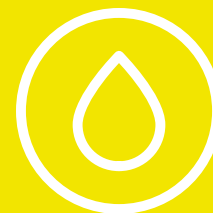
**DRAIN
SOLUTIONS**



**AGRICULTURE
SOLUTIONS**



**HOUSEHOLD
SOLUTIONS**



Edition 5

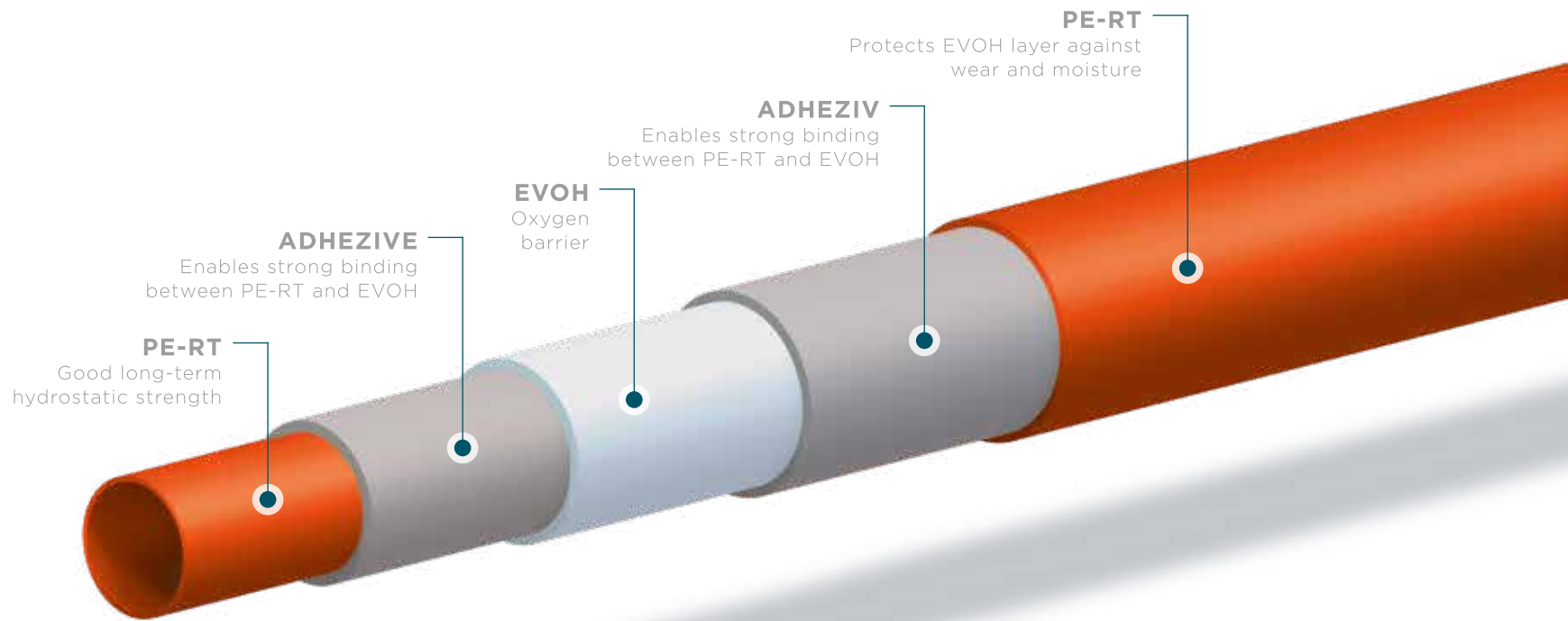


PE-RT OXY



Five layer pipe with evoh oxygen barrier

PE-RT Oxy five layer pipe is made of polyethylene with raised temperature resistance (PE-RT Type II), which possess good long term hydrostatic strength. PE-RT Type II protect damage of EVOH layer from wear and moisture during transport and construction which ensure the full efficiency of EVOH oxygen barrier during the long period e.g. proposed service life of pipe. EVOH layer doesn't allow diffusion of oxygen into the heating system therefore prevent corrosion of metal parts and devices .



Characteristics

PE-RT Oxy

Good long term hydrostatic strength without crosslinking. Fusible with all know welding methods.Very high stress crack resistance. High flexibility,Good creep behavior.It melts on temperatures above 140°C.It burns on the open flame and turn into CO and water.

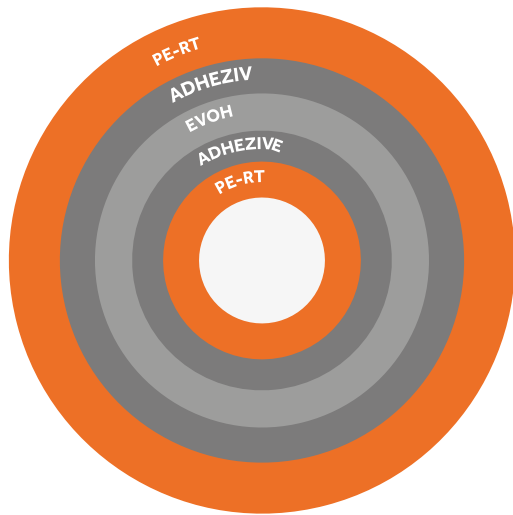
Application

PE-RT Oxy

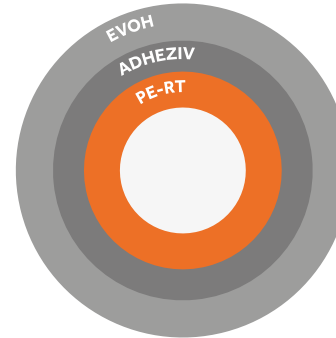
Underfloor heating.For hot and cold water distribution Radiator connection

Product range

- 16x2mm
- 17x2mm
- 18x2mm
- 20x2mm
- 22x3mm
- 28x3mm
- 28x4mm



EVOH layer is in the middle of the pipe so it is fully protected from wear and moisture during transport and construction which ensure the full efficiency of EVOH oxygen barrier during the long period e.g. proposed service life of pipe.



Outer layer of pipe is made of EVOH. Therefore, EVOH is directly exposed to wear and humidity. Oxygen impermeability will decrease with humidity increases.

APPLICATION CLASSES OF PESTAN PE-RT OXY PIPES (IN ACCORDANCE WITH ISO 22391)

APPLICATION CLASSES	TD (°C)	TIME ON TD (YEARS)	TMAX (°C)	TIME ON TMAX (YEARS)	TMAL (°C)	TIME ON TMAL (SATI)	FIELD OF APPLICATION	ALLOWED OPERATING PRESSURE	
1	60	49	80	1	95	100	Hot water (60°C)	10 bar	
2	70	49	80	1	95	100	Hot water (70°C)	8 bar	
4	20	2.5	70	2.5	100	100	Underfloor heating and low temperature radiators	8 bar	
	40	+							20
	60	+							2.5
5	20	14	90	1	100	100	High temperature radiators	8 bar	
	60	+							25
	80	+							10

TD - projected temperature
 Tmax - maximum temperature
 Tmal -malfunction temperature

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