

# Pert-Al-Pert

## Technical Datasheet

### Product description

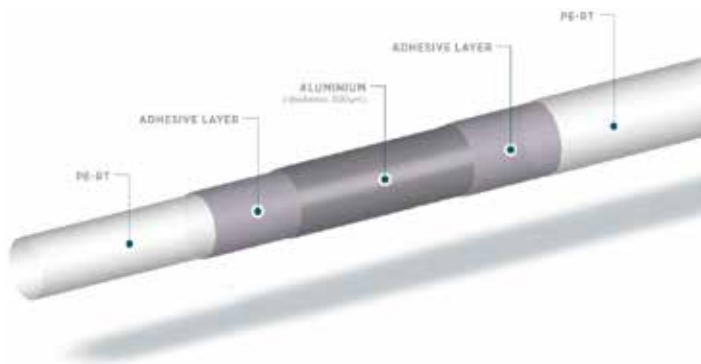
PEŠTAN multilayer composite pipes are made of overlapped welded aluminium surrounded by PE-RT layers connected by adhesives. The inner aluminium layer of multilayer composite pipes leads to a higher temperature and pressure resistance in comparison to standard plastic pipes.

#### Standards:

DIN 4726; EN 1264.

#### Pipe construction:

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



#### Material:

PE RT, Al

#### Max. temperature:

Short-term up to 95 °C,  
Long-term up to 60 °C

#### Approvals:

SKZ A 685

### Applications:

PERT-ALUMINIUM-PERT pipe is designed primarily for underfloor and radiator heating or being increasingly used on the installation of drinking water.

- underfloor heating;
- wall heating;
- underfloor cooling;
- ceiling cooling.

Depending on the customer's demands it can be with or without a protective pipe.

#### Standard colour outside:

White

#### Standard colour inside:

Transparent

### Characteristics and technical data

- Max. operating pressure (ISO 10508) at 60 °C: 10 bar;
- Good resistance at elevated temperatures;
- Shape stability;
- Butt - welding process;
- Aluminium thickness is 300 µm;
- Coefficient of thermal expansion is 0.024 mm/mK;
- Pipes have been tested at 95 °C at 3.9 MPa hydrostatic stress for 22h;
- This pipe can bend in a radius of 10 D or it can be packed in heating installation at 16 cm distance.

### Product Availability

- Dimensions: Ø16 X 2 mm, Ø20 X 2 mm, Ø25 X 3 mm and Ø32 X 3 mm;
- Package: 50 m rolls.

### Chemical resistance

High chemical resistance to a large number of compounds. Plastic pipes and fittings - Combined chemical-resistance classification table ISO/TR 10358.

## Technical Assistance

Our technical and engineering team is supported and advised by European institutes. For more information about products please contact PEŠTAN technical support or regional salesman.



BELNIIS - Belarus



KIWA - Netherland



VUPS - Czech Republic



BELNIIS - Belarus



IMS - Serbia



GOST R - Russia



MPA - Germany



IGH - Croatia