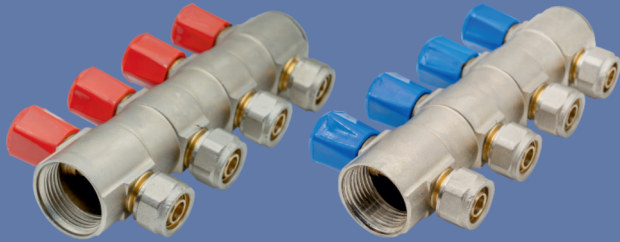


## Commonly Used PE-RT & PE-XB Fittings



### Manifold

- A fitting used to distribute or collect multiple outlet pipes from the main line
- Balances and controls the water flow to each circuit
- Ensures equal and efficient system operation

**Integrated Valve Manifold:** All outlets can be shut off from a single point

**Mini Valve Manifold:** Flow of each circuit can be controlled individually



### Radiator Valve

A fitting used to control the flow between the radiator and the pipe system. By adjusting the amount of hot water supplied to rooms, it provides thermal comfort and energy efficiency.

## Areas of Application

- Underfloor heating systems
- Radiator heating systems
- Industrial installations
- Solar energy systems
- Boiler connection lines



maxiPIPE®

# PE-RT PE-XB

Comfortable, Efficient  
and Reliable Heating Solutions



homogeneous  
heat distribution



high  
temperature  
resistance



flexible and easy  
to-install  
structure



long-lasting  
system  
performance



manufactured  
in compliance  
with international  
quality standards

EXPORT TO  
**105**  
COUNTRIES



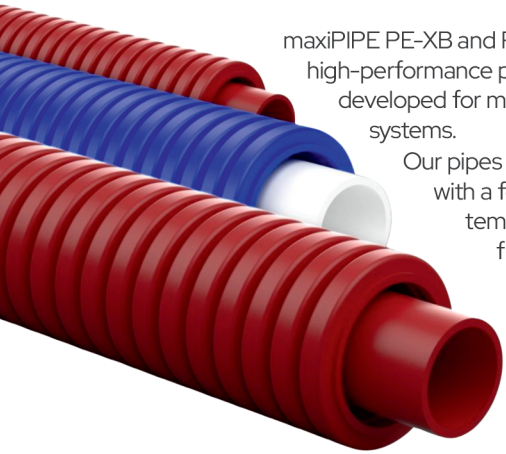
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Why Kuzeyboru *maxiPIPE*®

# PE-RT PE-XB?



maxiPIPE PE-XB and PE-RT pipes feature high-performance polymer structures developed for modern heating systems.

Our pipes are manufactured with a focus on high temperature resistance, flexibility, and long service life.

## Technical Advantages

- High temperature resistance (continuous operation at 70–90°C)
- Short-term high temperature resistance (95°C and above)
- High pressure resistance
- Flexible and bendable structure
- Smooth inner surface (low friction loss)
- Resistant to corrosion and chemicals
- Oxygen diffusion barrier (EVOH coating)

## Economic Benefits

- Lightweight and easy installation
- Reduced need for fittings
- Long service life and low maintenance costs



## Product Types & Differences

### PE-RT Pipes

- Non-Oxygen Barrier (Transparent & Blue/Red Sleeved)
- Oxygen Barrier (Transparent & Blue/Red Sleeved)

### PE-XB Pipes

- Non-Oxygen Barrier (Transparent & Blue/Red Sleeved)
- Oxygen Barrier (Transparent)

FEATURE	PE-RT PIPE	PE-XB PIPE
Molecular Structure	No cross-linking	Cross-linked structure
Temperature Resistance	70–90°C	90–95°C
Pressure Resistance	Medium	High
Flexibility	Very high	High
Pipe Diameters	16 mm – 20 mm	16 mm – 20 mm
Recyclability	Easy	Difficult Δ
Chemical Resistance	Very good	Very good
Applications	Underfloor heating, domestic water systems	Radiator systems, underfloor heating
Sales Advantage	Flexible and cost-effective	High pressure resistance & safe

## Product Features

### Raw Material Quality

PE-XB, PE-RT (Polyethylene of Raised Temperature Resistance)

- A type of polyethylene (PE) with a special molecular design and enhanced high-temperature resistance
- Provides long-term performance under high temperature and pressure thanks to controlled molecular distribution and improved crystalline structure

### Service Life

Up to 50 years under suitable pressure and temperature conditions

### Heat Loss

Heat loss risk is minimized with leak-proof connection fittings

