

# MULTIPEX

PEX-AL-PEX 3 Layer Composite Piping System  
For Hot And Cold Water Plumbing Application



## ABOUT ASTRAL MULTI PEX PIPING SYSTEM:

Astral's MultiPex pipe represents an advanced multilayer (PEX-AL-PEX) composite piping solution that seamlessly amalgamates the strengths of PEX (Cross-Linked Polyethylene) and aluminum while mitigating inherent drawbacks. Comprising a cross-linked polyethylene inner and outer layer with an aluminum middle layer, this innovative pipe offers enhanced strength, rigidity, and durability. The aluminum layer acts as a robust barrier against oxygen diffusion, preventing corrosion and algae growth, making it suitable for continuous operation at temperatures up to 95°C. The preferred and professional choice for joining this pipe is through the efficient crimping method, using specialized tools and fittings, ensuring a secure, leak-proof connection that meets rigorous industry standards. Overall, Astral's MultiPex pipe, coupled with the crimping process, stands as a reliable, durable, and efficient solution for various applications.

## ABOUT MUTIPEX PIPES:

Astral Multipex pipes, crafted through the Silane cross-linking method, are recognized and widely accepted for their quality. This proven manufacturing technique adheres to industry standards, ensuring the reliability and superior performance of the plumbing system.

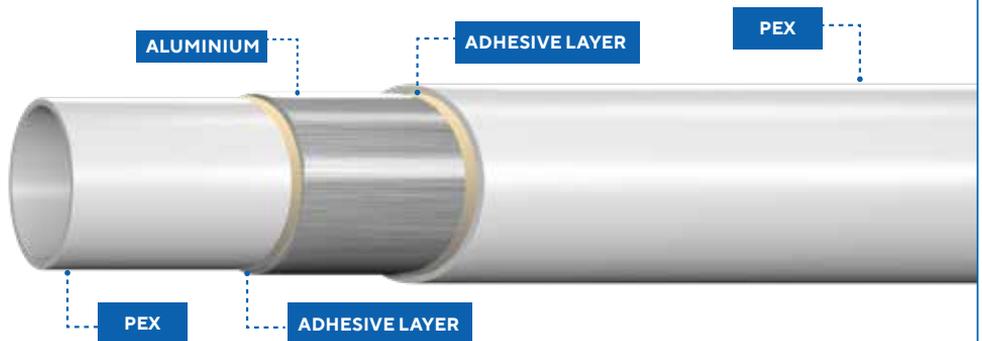
**Inner layer of pipe:** Cross-linked polyethylene (PEX) for flexibility, heat resistance, and corrosion resistance.

**Adhesive layer:** For bonding PEX to the aluminum layer.

**Aluminum layer:** To provide strength, rigidity, and an effective oxygen barrier.

**Adhesive layer:** For bonding aluminum to the outer PEX layer.

**Outer layer of pipe:** PEX layer for flexibility and abrasion resistance.



## APPLICATIONS:



Radiant heating systems



Underfloor Heating and cooling systems



Plumbing water systems



Industrial applications

## KEY FEATURES & BENEFITS:

- Continuous resistance to high temperature up to 95°C
- Frost resistance
- Resistance to high pressures
- Low thermal conductivity
- Absence of condensation
- Lightweight
- Flexibility of Design & Installation
- High bending flexibility
- Non-conductor of electricity
- Low noise
- High corrosion resistance
- High flow rate
- Absence of limescale and other deposits
- Long service life
- Ideal for drinking water
- Better fungi resistance

## APPLICABLE STANDARD:

EN ISO 21003: Multilayer piping systems for hot & cold water installations inside buildings

## PIPE SPECIFICATION:

Pipe Size (mm)	Outer Diameter (mm)	Tolerance on OD (mm)	Pipe Thickness (mm)	Pipe (Coils)(m)	Pipes (Straight Length) (m)
16	16	0.2	2.0	100	5
20	20	0.2	2.0	100	4
25	25	0.2	2.5	100	4
32	32	0.2	3.0	50	4

## PRESSURE RATING:

- Maximum Operating pressure 10 kg/cm<sup>2</sup> @ 95 °C

## SYSTEM COMPONENTS

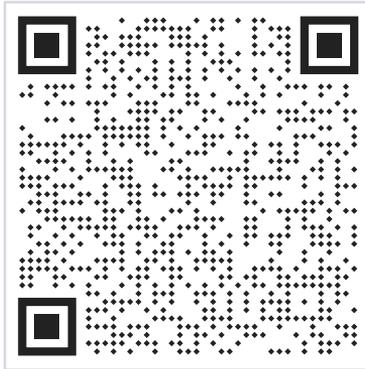
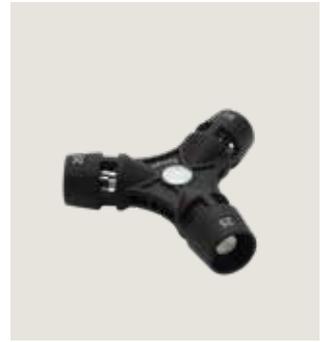
- Pipes
- Crimping type fittings, made from PPSU and high quality brass
- Tools & accessories

## UNIQUE CRIMPING JOINING METHOD:

Crimping, a mechanical joining method in plumbing, is widely chosen for its ease, reliability, and affordability in both residential and commercial applications. Using a specialized tool, it compresses a metal ring around the pipe and fitting, ensuring a tight seal that prevents leaks.

## BENEFITS OF CRIMPING METHOD:

- Ease Of Use
- Quick & Fast Installation
- Reliable Joints
- Zero Waiting Time



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ASTRAL MULTIPLEX**



*A consumer validated  
Superbrand in piping  
category for  
consecutive 3 years*



*India's Most Trusted  
Pipe Brand based on  
TRA's Brand Trust  
Report for the 5th time*

Power of Desire



*India's Most Desired  
Brand based on  
TRA's Brand Trust  
Report 2022*



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Please get in touch with us between 10 AM to 6 PM  
between Monday to Friday and the last Saturday of the month.  
We will remain closed on Public Holidays.

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