



*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 3rd time*

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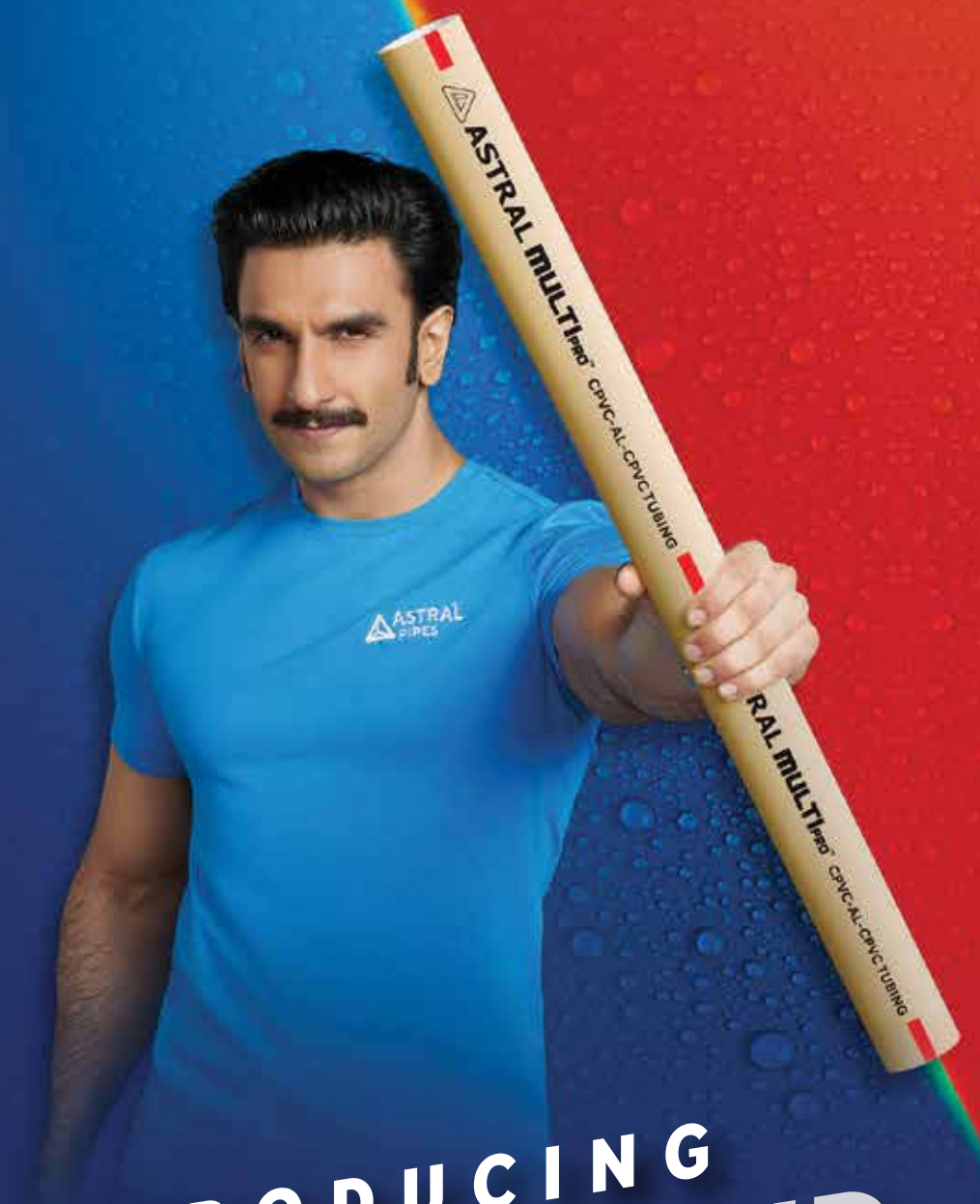
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MULTIPRO™

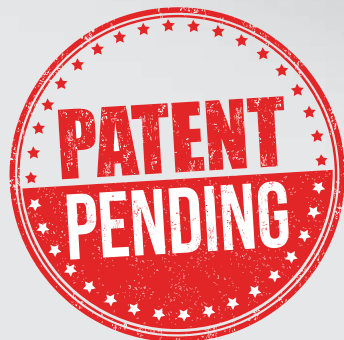
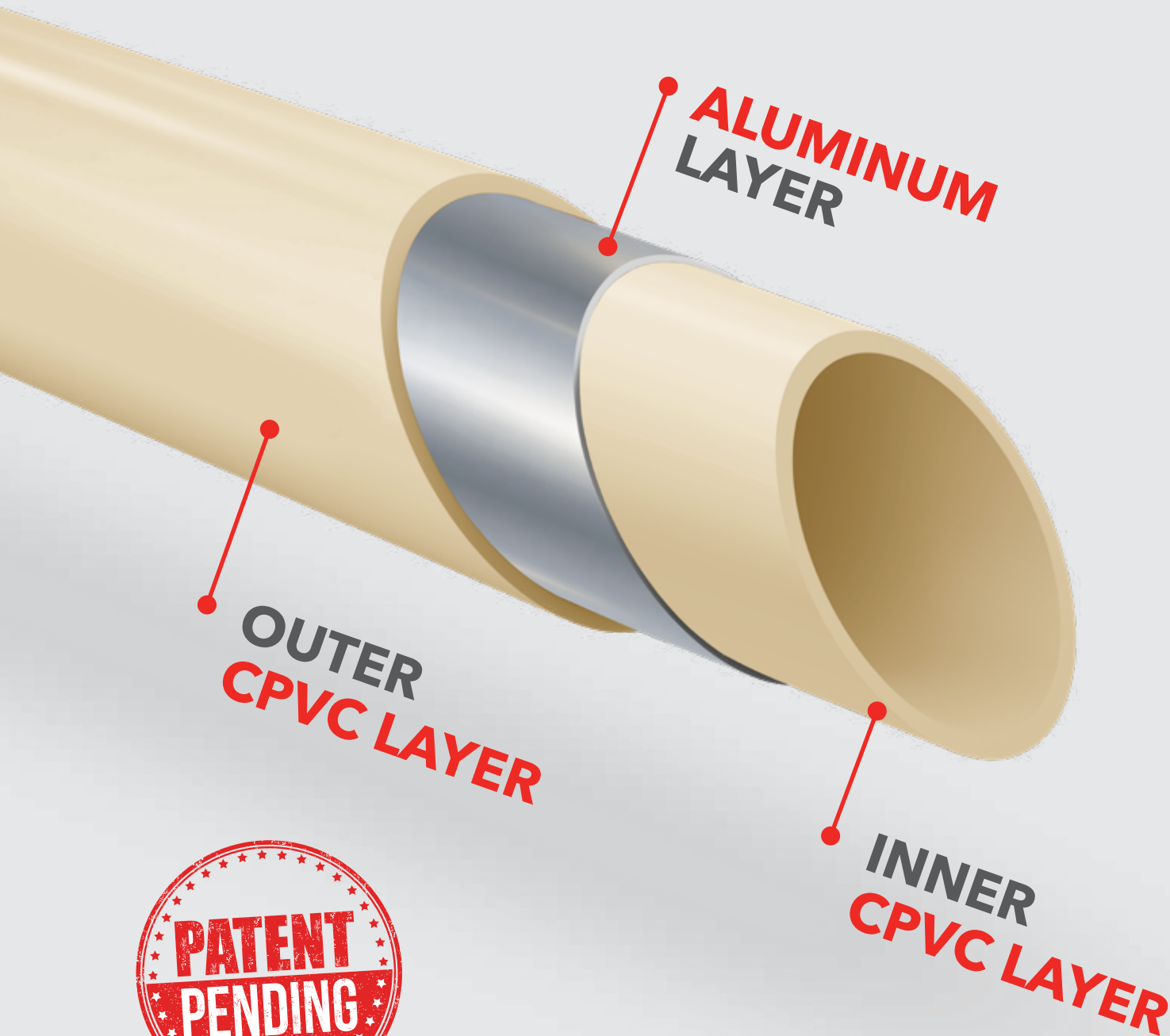
ADVANCED MULTI LAYERED CPVC COMPOSITE PIPES

**INTRODUCING
FIRST OF ITS KIND
CPVC COMPOSITE
PIPE**



ASTRAL
MULTIPRO™

It's Strong, Robust and Versatile



WAY ASTRAL MULTI PRO?

LESS EXPANSION AND CONTRACTION
- WITHSTANDS TEMP. UP TO 93°C

The three-layer construction of pipe with a middle layer of aluminum provides strength to the pipe construction and eliminates possibilities of expansion and contraction, hence enables 24 hour supply of Hot and Cold water. As these pipes are used in solar applications and are exposed to different weather conditions, the reduction in expansion and contraction keeps the joints intact.

HIGH IMPACT RESISTANCE
DUE TO MIDDLE LAYER OF ALUMINUM

The middle aluminum layer which is joined with two CPVC layers by adhesive, provides extra strength and very good impact resistance. This works very well in case of high-rise buildings.

CORROSION RESISTANCE

CPVC is such a material that resists corrosion, so it has longer life span and does not need frequent cleaning and maintenance.

COMPATIBLE WITH REGULAR CPVC FITTINGS – SPECIAL FITTINGS ARE NOT REQUIRED

The installation of Multi Pro is just like installing another CPVC Pipe. Even the existing fittings range of CPVC can be used for joining Multi Pro pipes. This makes Multi Pro a complete range with all fittings.



AREA OF USAGE



- **Hot and Cold Water Installation**
 - Such as Solar water heater and geyser



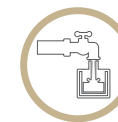
- **Open Exposure Installation**
 - Solar water heater lines where the lines are exposed to sunlight



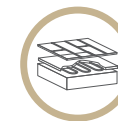
- **Buried Installation**
 - Where pipes can be buried horizontally in concrete slabs



- **Concealed Installation**
 - Where pipes can be buried vertically in concrete slabs



- **Building supply lines**
 - All the water supply lines from main tanks to homes

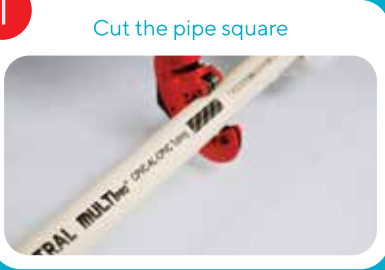


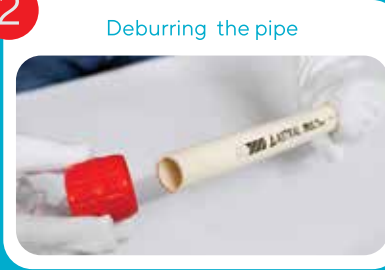
- **Concrete-encased piping**
 - As good as buried installation in concrete


EASY TO INSTALL


Installing Multi Pro is as easy as installing normal CPVC or uPVC pipes. It gets joined by Solvent Cement – just like normal CPVC or uPVC pipes and does not require any special tools or equipments.


INSTALLATION GUIDELINES

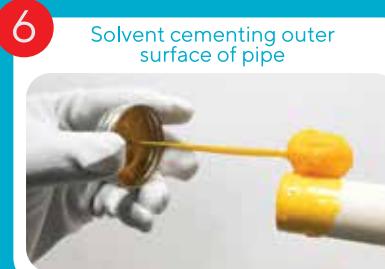
- 


1 Cut the pipe square
- 


2 Deburring the pipe
- 


3 Solvent cementing inside the pipe
- 

4 Solvent cementing outside of the composite bushing
- 

5 Install the sleeve fitting
- 

6 Solvent cementing outer surface of pipe
- 

7 Solvent cementing inside the fitting
- 

8 Assembling the standard fitting on pipe
- 

9 This finishes solvent cement fitting

TUBING DIMENSIONS

Specifications	Size (inch)	Size (mm)	Outside Diameter (mm)		Inside Diameter (mm)		Wall thickness (mm)			
			Diameter (mm)	Tolerance (mm)	Diameter (mm)	Tolerance (mm)	Aluminum		Inner (mm)	Outer (mm)
							Thickness (mm)	Tolerance (mm)	Minimum	Minimum
As per ASTM F2855	1/2"	15	15.88	0.08	11.38	0.08	0.43	0.05	0.64	0.64
	3/4"	20	22.23	0.08	17.55	0.10	0.43	0.05	0.71	0.71
	1"	25	28.58	0.08	23.67	0.13	0.43	0.05	0.86	0.86
As per ASTRAL Specification	1 1/4"	32	34.93	0.08	29.85	0.15	0.43	0.05	0.93	0.93
	1 1/2"	40	41.28	0.10	34.95	0.18	0.43	0.05	1.50	0.93
	2"	50	53.98	0.10	46.60	0.20	0.43	0.05	2.00	0.93

