



SMARTFIT[®]

CPVC Plumbing Systems

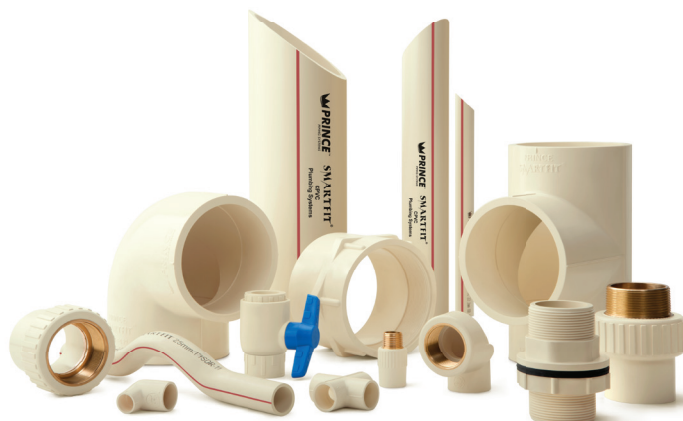
Piping systems
for hot and cold water

Pipes as per
IS:15778



ASTM D 2846
(SDR 11)

ASTM F 439
(Sch 80)



*ZERO DEFECT MANUFACTURING PROCESS

Product range:

½" to 4" for Pipes & Fittings

Standards:

Pipes : IS 15778 (SDR 11 & 13.5)
 : ASTM F 441 (Sch 40 & Sch 80)
 Fittings : ASTM D 2846 (SDR 11)
 : ASTM F 439 (Sch 80)



Applications:

- Indoor and outdoor use for cold water application (up to 93°C only).
- Residential & commercial buildings.
- Public utilities, swimming pools & industrial applications.
- RO and DM water plants.



Jointing method:

Solvent Joint & Threaded Joint



Major advantages:

1. Proven hot water performance up to 93°C.
2. Manufactured from environmental-friendly virgin CPVC compounds.
3. Safe for drinking water.
4. Exceptional all-weather corrosion resistance ensures constant flow over lifetime.
5. Self-extinguishing. Does not support combustion.
6. UV resistance ensures pressure and temperature bearing capability unaffected even after long term exposure.
7. High impact resistance ensures high quality performance for lower temperatures.
8. Fast and easy installation. Saves labour.
9. Lower thermal conductivity.
10. Lower bacterial growth compared to other piping material.

Extensively used in:



Dimensions for Smartfit Pipes

Nominal Bore		Outside Diameter	As per IS 15778							
			SDR - 11				SDR - 13.5			
			Wall thickness		Working pressure		Wall thickness		Working pressure	
Inch	(mm.)	(mm.)	Min	Max	At 27°C	At 82°C	Min	Max	At 27°C	At 82°C
1/2"	15	15.90 (+/- 0.10)	1.70	2.20	28.14	6.93	1.40	1.90	22.22	5.60
3/4"	20	22.20 (+/- 0.10)	2.00	2.50	28.14	6.93	1.70	2.20	22.22	5.60
1"	25	28.60 (+/- 0.10)	2.60	3.10	28.14	6.93	2.10	2.60	22.22	5.60
1 1/4"	32	34.90 (+/- 0.10)	3.20	3.70	28.14	6.93	2.60	3.10	22.22	5.60
1 1/2"	40	41.30 (+/- 0.10)	3.80	4.30	28.14	6.93	3.10	3.60	22.22	5.60
2"	50	54.00 (+/- 0.10)	4.90	5.50	28.14	6.93	4.00	4.60	22.22	5.60

Nominal Bore		Outside Diameter	As per ASTM F 441							
			Schedule 40				Schedule 80			
			Wall thickness		Working pressure		Wall thickness		Working pressure	
Inch	(mm.)	(mm.)	Min	Max	At 27°C	At 82°C	Min	Max	At 27°C	At 82°C
2 1/2"	65	73.00 (+/- 0.18)	5.16	5.77	21.10	5.30	7.01	7.85	29.57	7.43
3"	80	88.90 (+/- 0.20)	5.49	6.15	18.25	4.58	7.62	8.53	26.00	6.32
4"	100	114.30 (+/- 0.23)	6.02	6.73	15.49	3.87	8.56	9.58	22.53	5.60

The Prince Piping Systems product portfolio:



PRINCE PIPES & FITTINGS PVT. LTD.

Mfg. & Exporters of UPVC, CPVC & PPR Pipes, Fittings and Valves

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