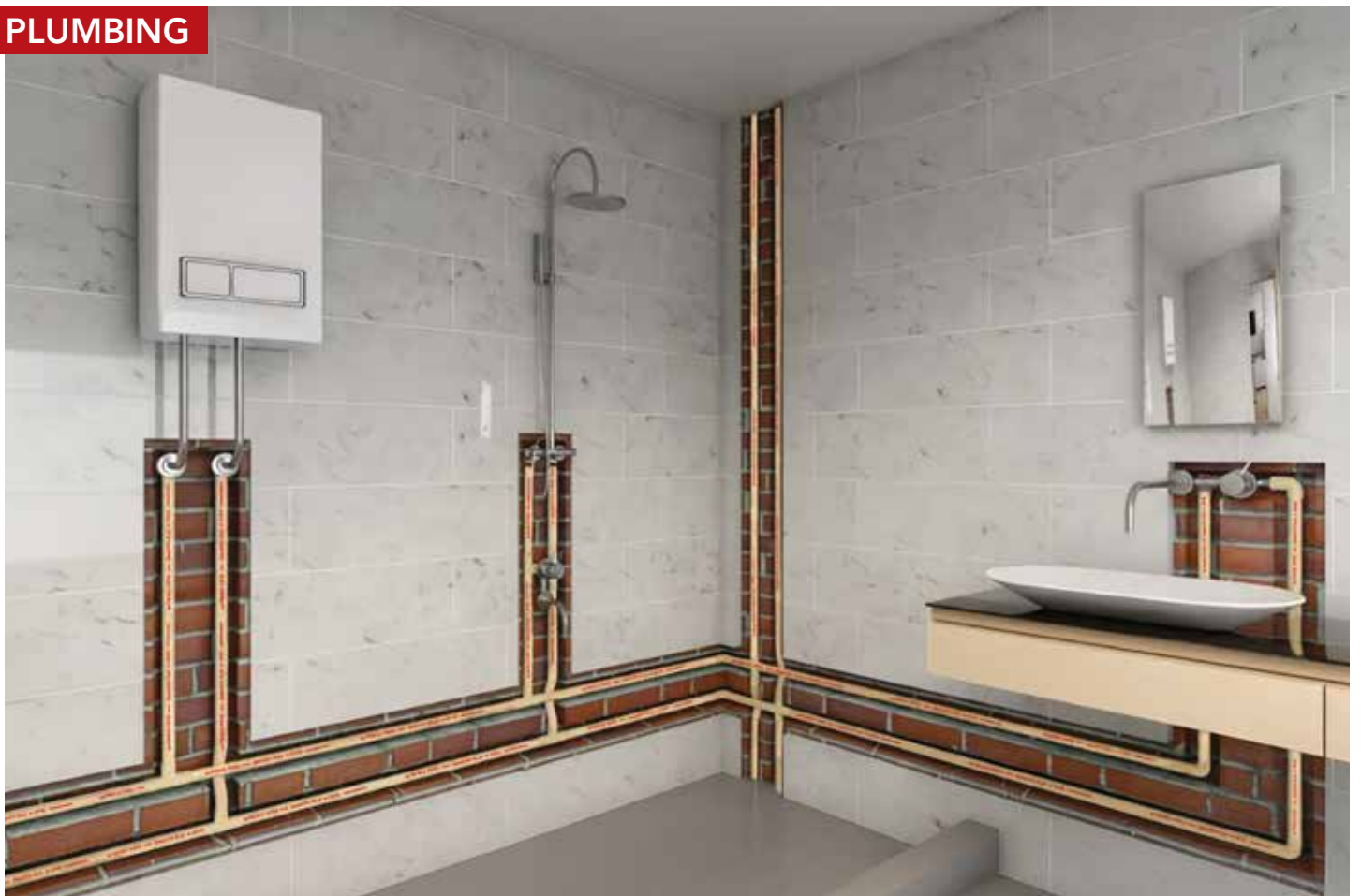




SMARTFIT PLUS

CPVC PLUMBING SYSTEMS

TRUST AUR PERFORMANCE
KA PLUS FACTOR



Pipes as per
IS: 15778



(SDR 11 & 13.5)

ASTM F 441 (SCH 40 & 80)

Fittings as per:

ASTM D 2846 (SDR 11)

ASTM F 438 (SCH 40)

ASTM F 439 (SCH 80)

Overview

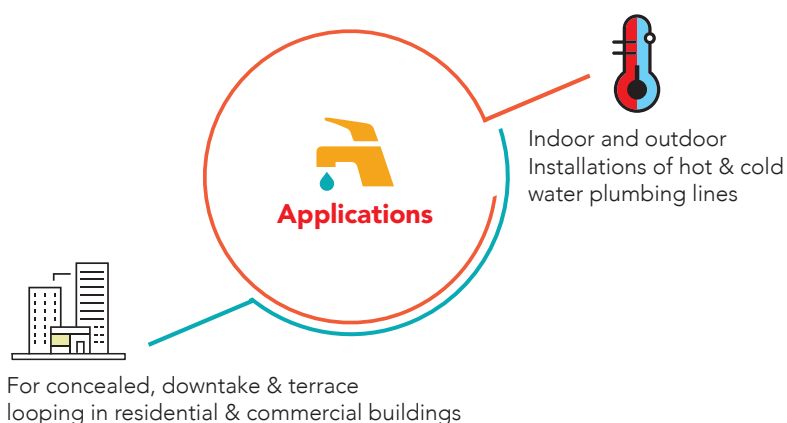
Prince Pipes has proudly served India, earning the trust of customers nationwide. Our CPVC plumbing systems are engineered to last for generations. Designed for a service life of several decades, these pipes and fittings can withstand temperatures up to 93°C, making them ideal for both hot and cold water applications. Smartfit Plus advantage ensures low bacterial growth, delivering safe and hygienic water. The system is fire resistant, does not support combustion, and offers high tensile strength along with exceptional UV resistance.

Product range

• **Pipes:** 15 to 250mm (1/2 to 10 inch) • **Fittings:** 15 to 200mm (1/2 to 8 inch) • **Solvent Cement:** Tin: 59 to 946ml | Tube: 29.5 & 59ml

Standards

Pipes				Fittings			
Size (mm)	Class	Standard	End Connection	Size (mm)	Class	Standard	End Connection
15 to 50	SDR 11	IS 15778	Solvent Cement Joint	15 to 50	SDR 11	ASTM D 2846	• Solvent Cement Sockets Joint. • For transition joints, fittings with plastic threads & metal threaded inserts.
15 to 50	SDR 13.5	IS 15778		65 to 100	SCH 80	ASTM F 439	
65 to 250	SCH - 40	ASTM F 441		150	SCH 40	ASTM F 438	
65 to 250	SCH - 80	ASTM F 441		-	-	-	



Features and benefits

- Heat resistant upto 93°C
- Low Thermal Expansion
- Fire resistant
- High Tensile & Impact Strength
- No Scaling Gives Smooth Flow

Dimensions

Nominal Bore		Outside Diameter		SDR-11				SDR-13.5			
				Wall Thickness		Working Pressure		Wall Thickness		Working Pressure	
		Min	Max	Min	Max	At 27°C	At 82°C	Min	Max	At 27°C	At 82°C
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(Kg/cm ²)	(Kg/cm ²)	(mm)	(mm)	(Kg/cm ²)	(Kg/cm ²)
15	1/2	15.80	16.00	1.70 [#]	2.20 [#]	28.14	6.93	1.40 [#]	1.90 [#]	22.22	5.60
20	3/4	22.10	22.30	2.00	2.50	28.14	6.93	1.70	2.20	22.22	5.60
25	1	28.50	28.70	2.60	3.10	28.14	6.93	2.10	2.60	22.22	5.60
32	1 ¼	34.80	35.00	3.20	3.70	28.14	6.93	2.60	3.10	22.22	5.60
40	1 ½	41.20	41.40	3.80	4.30	28.14	6.93	3.10	3.60	22.22	5.60
50	2	53.90	54.10	4.90	5.50	28.14	6.93	4.00	4.60	22.22	5.60

Nominal Bore		Outside Diameter		Schedule 40				Schedule 80			
				Wall Thickness		Working Pressure		Wall Thickness		Working Pressure	
				Min	Max	At 23°C	At 82°C	Min	Max	At 23°C	At 82°C
(mm)	(inch)	(mm)		(mm)	(mm)	(Kg/cm ²)	(Kg/cm ²)	(mm)	(mm)	(Kg/cm ²)	(Kg/cm ²)
65	2 ½	73.00 (+/- 0.18)		5.16	5.77	21.10	5.30	7.01	7.85	29.57	7.34
80	3	88.90 (+/- 0.20)		5.49	6.15	18.25	4.58	7.62	8.53	26.00	6.32
100	4	114.30 (+/- 0.23)		6.02	6.73	15.49	3.87	8.56	9.58	22.53	5.60
150	6	168.30 (+/- 0.28)		7.11	7.97	12.64	3.16	10.97	12.29	19.68	4.89
200	8	219.10 (+/- 0.38)		8.18	9.17	11.21	2.85	12.70	14.22	17.54	4.18
250	10	273.10 (+/- 0.38)		9.27	10.39	9.89	2.44	15.06	16.86	16.21	3.87

Note: • Dimensions with '#' are not a function of SDR
 • Fittings are suitable for corresponding pipe pressure ratings