

Seasons roll on...but
CPVC SMARTFIT™ Piping System
remains unchangeable!

HOT & COLD
PLUMBING TECHNOLOGY



PRINCE

Technologically ahead of others



SMARTFIT™ the all-season Piping System

Joining SMARTFIT™ Piping System



CUTTING



DEBURRING



ROUGHENING



SOLVENT CEMENTING



JOINTING



CLEANING



INSTALLATION

Notes: Only single step solvent cement (yellow colour) is required for pipe & fitting from 15 mm to 50 mm.

SMARTFIT™ Technical specifications

Co-efficient of Thermal expansion	Thermal conductivity
ASTM D 696	ASTM C 177
$6.3 \times 10^{-5} \text{ m/m}^\circ\text{K}$	$0.14 \text{ Wm}^\circ\text{K/m}^2$

SMARTFIT™ CPVC SDR 13.5

Nominal Pipe Size - Inch	MM	OD	ID	WT
1/2"	15 mm	15.90 mm	13.10 mm	1.40 mm
3/4"	20 mm	22.20 mm	18.90 mm	1.65 mm
1"	25 mm	28.60 mm	24.36 mm	2.12 mm
1 1/4"	32 mm	34.90 mm	29.72 mm	2.59 mm
1 1/2"	40 mm	41.30 mm	35.18 mm	3.06 mm
2"	50 mm	54.00 mm	46.00 mm	4.00 mm

SMARTFIT™ CPVC SDR 11

Nominal Pipe Size - Inch	MM	OD	ID	WT
1/2"	15 mm	15.90 mm	12.44 mm	1.73 mm
3/4"	20 mm	22.20 mm	18.14 mm	2.03 mm
1"	25 mm	28.60 mm	23.42 mm	2.59 mm
1 1/4"	32 mm	34.90 mm	28.54 mm	3.18 mm
1 1/2"	40 mm	41.30 mm	33.78 mm	3.76 mm
2"	55 mm	54.00 mm	44.20 mm	4.90 mm

Abbreviations : OD- Outer Dia., ID- Inner Dia., WT- Wall Thickness(in mm)

	SDR 13.5	SDR 11
Pressure Rating @23°C	22.5 kg/cm ²	27.6 kg/cm ²
Pressure Rating @82°C	5.6 kg/cm ²	7.03 kg/cm ²

Agri Pipes & Fittings, Plumbing Pipes & Fittings, Roof Water Systems, Borewell Systems, Valves, Taps
PP-R - Plumbing Systems, SWR Piping Systems, CPVC SMARTFIT™ Piping Systems

PRINCE PIPES & FITTINGS PVT. LTD.

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