PRINCE®
PIPES

40 YEARS OF
PROVEN EXPERTISE

INDIA KI PRAGATI KA TAJ

PRODUCT CATALOGUE

PIPES | WATER TANK | BATHWARE

THE JOURNEY

2025

- Commenced operations at Begusarai plant.
- Received the prestigious ABECA Award from AmbitionBox by Naukri.com.

2024

- Prince Pipes got recognized as a 'Great Place to Work®' in November 2024. This prestigious recognition reinforces our commitment to building a sustainable and inclusive workplace ecosystem.
- Prince Pipes and Fittings Limited is among the Top 2 Most Desired Brands – Pipes Category, by TRA Research in its Most Desired Brand Report 2024.

2023

- Haridwar Plant honoured with the "IMexl Commitment Prize" by Kaizen Hansei
- Prince Pipes Chennai plant has achieved the "IGBC Gold Rated Green Factory Building Certification"

2022

- Prince Pipes awarded "IGBC Platinum Rated Green Building Certification" by the Indian Green Building Council (IGBC) for the Jaipur Plant
- Gold Award for Jaipur Facility in February 2022 in the 8th edition of the National Awards for Manufacturing Competitiveness (NAMC) 2021, by IRIM

2021

- Manufacturing unit commissioned at Sangareddy, Telangana, to strengthen our strategic presence in Southern India

2020

- Technical collaboration with Tooling Holland, a global leader in plastic mould manufacturing
- Marked the expansion of product portfolio with the launch of Storefit Water Tanks across India

2019

- Manufacturing unit established at Jobner, Rajasthan, to cater to the increasing volume demand
- Company successfully listed on BSE and NSE

2015

- Mr. Jayant Chheda received the "Lifetime Achievement Award" at the Vinyl India Conference
- "IMEA Award" for Haridwar factory by Frost & Sullivan

2012

Prince Pipes acquired "Trubore" from Chemplast Sanmar Group, along with their two manufacturing units at Kolhapur & Chennai

2008

Manufacturing unit established in Haridwar (Uttarakhand) to cater to the increasing demand for Prince Pipes products

2005

Prince Pipes achieved the ₹100 Crore benchmark

2000

Manufacturing unit established in Dadra (Silvassa - D & N.H) to augment the pipe manufacturing capacity by setting up a new extrusion unit

1995

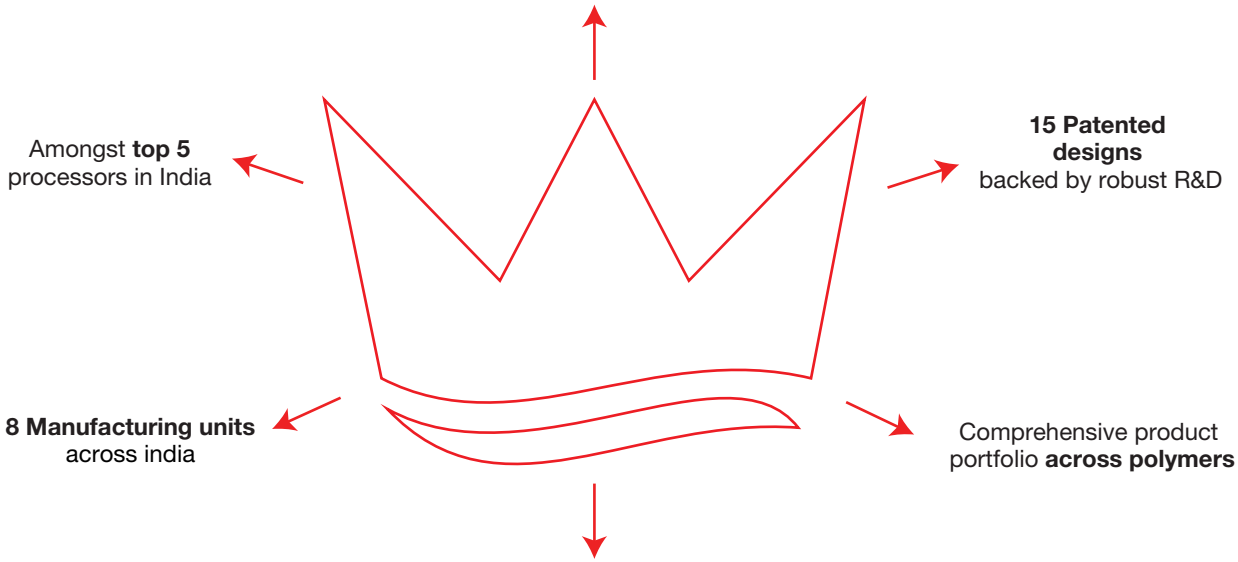
Manufacturing unit established in Athal (Silvassa-D & N.H) to setup a large-scale Injection Moulding Unit which marked the beginning for Prince Pipes to be one of the market leaders in PVC Fittings

1987

- Mr. Jayant Chheda commenced the manufacturing unit of PVC products
- 1st PVC Fittings Manufacturing Unit initiated to provide total piping solutions

COMPANY OVERVIEW

One of **India's largest integrated piping solutions**



Amongst **top 5** processors in India

15 Patented designs backed by robust R&D

8 Manufacturing units across india

Comprehensive product portfolio **across polymers**

40 years of proven expertise

PRODUCT COLLABORATION

Corzan® MATERIAL & PIPING SOLUTIONS

Ostendorf Kunststoffe

HT safe by Gebr. Ostendorf Kunststoffe

Skolan safe by Gebr. Ostendorf Kunststoffe

hauraton

AWARDS & CERTIFICATIONS

GreenPro

ISO 14001:2015 | 45001:2018 CERTIFIED 9001:2015 | 50001:2018 COMPANY

ABECA AmbitionBox Employee Choice Awards 2025 Prince Pipes & Fittings

TRA's MOST DESIRED BRANDS 2024 POWER OF DESIRE

STATE-OF-THE-ART MANUFACTURING UNITS

BEGUSARAI - BIHAR
PIPES & FITTINGS

HYDERABAD - TELANGANA
PIPES, FITTINGS & WATER TANKS

JOBNER - RAJASTHAN
PIPES & WATER TANKS

KOLHAPUR - MAHARASHTRA
PIPES

CHENNAI - TAMIL NADU
PIPES

HARIDWAR - UTTARAKHAND
PIPES, FITTINGS & WATER TANKS

DADRA - SILVASSA
PIPES & WATER TANKS

ATHAL - SILVASSA
FITTINGS

Index

SMARTFIT PLUS

CPVC PLUMBING SYSTEMS

TRUST AUR PERFORMANCE
KA PLUS FACTOR

GreenPro Certification-2025
PRINCE PIPES
MOST DURABLE
PIPING SOLUTION

CERTIFIED BY
GRIHA Council

SUPERIOR STRENGTH & DURABILITY
23447
CELL CLASSIFICATION
delivers exceptional impact strength and long-lasting reliability

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 300mm (1/2 to 12 inch) • **Fittings:** 15 to 200mm (1/2 to 8 inch)
- **Solvent Cement: Tin:** 59 to 946ml I **Tube:** 29.5 & 59ml I **Co-ex bottle:** 50 & 100ml

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 300	SCH - 40	ASTM F 441		150	SCH 40	ASTM F 438	
65 to 300	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/cm²)	(Kg/cm²)	(mm)	(mm)	(Kg/cm²)	(Kg/cm²)
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/cm²)	(Kg/cm²)	(mm)	(mm)	(Kg/cm²)	(Kg/cm²)
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
300	12	323.9 (+/-0.38)	10.31	11.55	9.18	2.14	17.45	19.53	16.21	3.87

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

PLUMBING

EASYFIT®

UPVC Plumbing Systems

KEEPS YOUR DRINKING WATER LEAD-FREE & YOU, TENSION-FREE.

Pb
LEAD-FREE

#Lead free pipes & fittings*

Pipes as per:
ASTM D 1785
(SCH 40 & SCH 80)

Fittings as per:
ASTM D 2466 (SCH 40)
ASTM D 2467 (SCH 80)

*except brass fittings

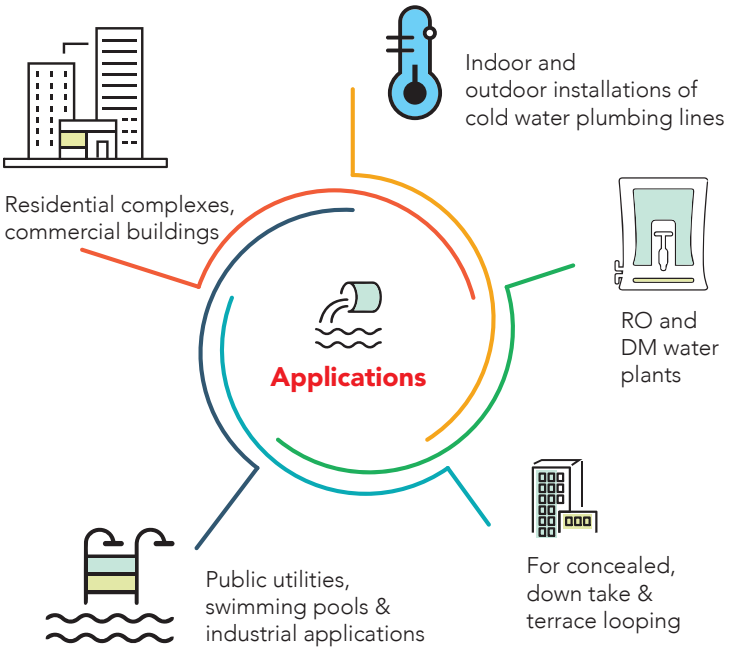
EASYFIT®
UPVC Plumbing Systems

Product range

• **Pipes:** 15 to 250mm (1/2 to 10 inch) • **Fittings:** 15 to 150mm (1/2 to 6 inch) • **Solvent Cement**: Tin: 50ml to 1liter I Tube: 25 & 50ml

Standards

Pipes				Fittings			
Size (mm)	Class	Standard	End Connection	Size (mm)	Class	Standard	End Connection
15 to 250	SCH - 40	ASTM D - 1785	Solvent Cement Joint and Threaded Joint	15 to 150	SCH - 40	ASTM D 2466	• Solvent Cement Socket Joint. • For transition joints, fittings with plastic threads & metal threaded inserts are available.
15 to 250	SCH - 80	ASTM D - 1785		15 to 100	SCH - 80	ASTM D 2467	



Features and benefits

- Proven performance for water temperature from 5°C to 60°C
- Lead-free material ensures safe drinking water
- Self-extinguishing. Does not support combustion
- Fast and easy installation. Saves labour

Dimensions

Dimensional & working pressure details for Easyfit UPVC Pipes (Solvent Weld) at 23°C

Nominal Bore		Outside Diameter	Sch-40		Sch-80	
			Wall Thickness	Working Pressure	Wall Thickness	Working Pressure
(mm)	(inch)	(mm)	(mm)	(Kg/cm²)	(mm)	(Kg/cm²)
15	1/2	21.34 +/- 0.10	2.77 + 0.51	42.40	3.73 + 0.51	59.75
20	3/4	26.67 +/- 0.10	2.87 + 0.51	33.75	3.91 + 0.51	48.50
25	1	33.40 +/- 0.13	3.38 + 0.51	31.60	4.55 + 0.53	44.25
32	1 ¼	42.16 +/- 0.13	3.56 + 0.51	26.00	4.85 + 0.58	36.60
40	1 ½	48.26 +/- 0.15	3.68 + 0.51	23.25	5.08 + 0.61	33.00
50	2	60.32 +/- 0.15	3.91 + 0.51	19.65	5.54 + 0.66	28.10
65	2 ½	73.02 +/- 0.18	5.16 + 0.61	21.10	7.01 + 0.84	29.55
80	3	88.90 +/- 0.20	5.49 + 0.66	18.25	7.62 + 0.91	26.00
100	4	114.30 +/- 0.23	6.02 + 0.71	15.50	8.56 + 1.02	22.50
150	6	168.28 +/- 0.28	7.11 + 0.86	12.60	10.97 + 1.32	19.65
200	8	219.10 +/- 0.38	8.18 + 0.99	11.20	12.70 + 1.52	17.50
250	10	273.00 +/- 0.38	9.27 + 1.12	9.90	15.06 + 1.80	16.20

Working pressure details for Easyfit UPVC Fittings (Solvent Weld) at 23°C

Nominal Bore		Sch-40	Sch-80
		Working Pressure	Working Pressure
(mm)	(inch)	(Kg/cm²)	(Kg/cm²)
15	1/2	25.30	35.85
20	3/4	20.25	29.10
25	1	18.95	26.55
32	1 ¼	15.60	21.95
40	1 ½	13.95	19.80
50	2	11.75	16.85
65	2½	--	17.70
80	3	--	15.60
100	4	--	13.50
150	6	7.50	--

Working pressure for Metal Insert Fittings is 15Kg/cm²

Note: • *For threaded pipes & fittings, the working pressure at 23°C* shall be considered as 50% of rating

• Pressure rating of UPVC pipes & fittings is temperature related. Derating factor shall be applied for applications at higher temperatures

GREENFIT®

PP-R Plumbing & Industrial Piping Systems

SUPERIOR PERFORMANCE IN EXTREME TEMPERATURES

NSF®

Certified to NSF/ANSI/CAN 61

WRAS APPROVED MATERIAL CERTIFICATION MARK

100% PPRC

Used in manufacturing of the pipes & fittings

100% FOOD SAFE

20 to 160 Pipes as per IS 15801

180 to 315 Pipes as per DIN 8077/8078

Fittings as per DIN 16962

GREENFIT®
PP-R Plumbing & Industrial Piping Systems

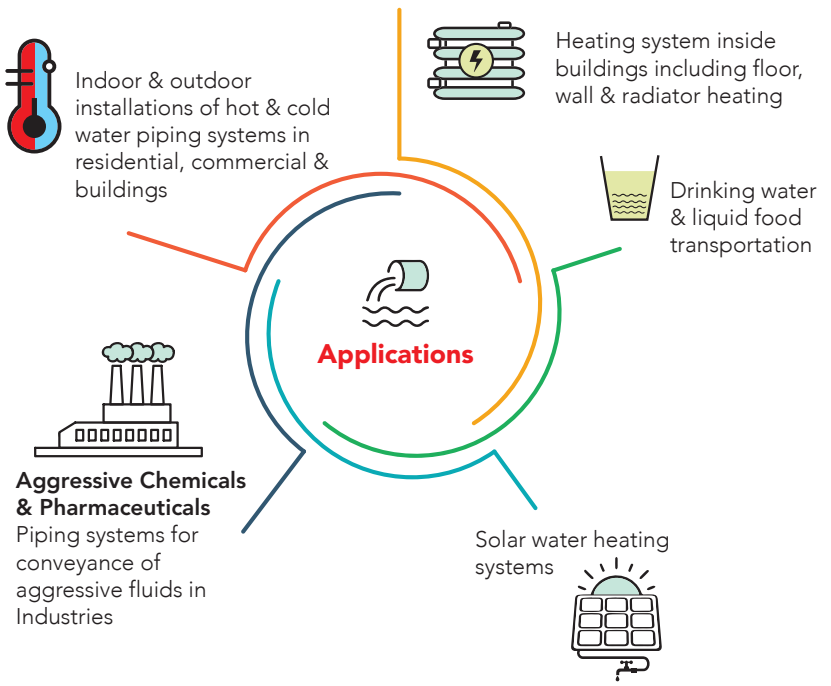
Product range

- **Pipes:** 20 to 315mm Mono layer & Triple layer
- **Coil Pipe:** 20, 25, 32 mm
- **Fittings:** 20 to 160 mm
- **Submersible Delivery Pipe:** 75, 90 & 110 mm

Standards

Pipes				
Size (mm)	**Working Pressure (Kg/cm²)**	**Standard**	**Colour**	**End Connection**
20 to 160	10, 16 & 20	IS: 15801	Single layer pipes - Green Triple layer pipe - Outer layer in Green Inner layer in white Thermex - Black	Poly-fusion welding joint
180 to 315	10	DIN: 8077/8078		

Fittings				
Size (mm)	**Working Pressure (Kg/cm²)**	**Standard**	**Colour**	**End Connection**
20 to 160	20 & 25	DIN:16962	Green	• Socket ends suitable for fusion welding. • For transition joints, fittings with threaded metal inserts



Features and benefits

- Proven hot & cold water performance from -20°* C to 95° C
- No scaling. Can withstand higher 'pH' values
- UV resistant triple layered pipes are suitable for outdoor installations that are exposed to direct sunlight
- Good chemical resistance - suitable for most industrial liquids
- Heat-fusion jointing results in homogenous plastic system ensuring leak-proof joints
- Very less coefficient of friction, ensures high flow properties, reduce pumping cost
- Antimicrobial inside layer of 3 layered pipe adds to safety against bacterial growth ensuring safe drinking water
- Specially formulated thermex pipes reduce linear expansion / contraction of pipes due to temperature variance, ensuring suitability for outdoor application

***Application note:** Insulation is necessary at Sub Zero Temperature.

Dimensions

Nominal Size (Outside Diameter)		(mm)	20	25	32	40	50	63	75	90	110	160	180	200	225	250	280	315
Wall Thickness	SDR 11 (PN 10)	(mm)	1.90	2.30	2.90	3.70	4.60	5.80	6.80	8.20	10.00	14.60	16.40	18.20	20.50	22.70	25.40	28.60
	SDR 7.4 (PN 16)	(mm)	2.80	3.50	4.40	5.50	6.90	8.60	10.30	12.30	15.10	21.90	-	-	-	-	-	-
	SDR 6 (PN 20)	(mm)	3.40	4.20	5.40	6.70	8.30	10.50	12.50	15.00	18.30	26.60	-	-	-	-	-	-

INDUSTRIAL

BLUE GREENFIT®

PP-R Compressed Air Piping Systems

A ZERO DEFECT SOLUTION FOR COMPRESSED AIR APPLICATIONS

Certified to NSF/ANSI/CAN 61

WRAS APPROVED MATERIAL CERTIFICATION MARK

Pipes as per IS 15801

Fittings as per DIN 16962

BLUE GREENFIT®
PP-R Compressed Air Piping Systems

Overview

Compressed air, one of the major sources of industrial energy is being used increasingly in manufacturing and process industries. Modern process equipment, pneumatic controls and instruments need clean and uncontaminated air supply for their smooth functioning. So, what we need is a new-age solution for compressed air and vacuum lines. This piping is given international colour code "**Blue Colour**" for air transmission. Blue Greenfit industrial piping systems are made of Polypropylene Random Copolymer suitable for air compressors, Instrumentation air, Vacuum & Nitrogen supply. Blue Greenfit is at par with global industry standards and is ideal for pneumatic applications.

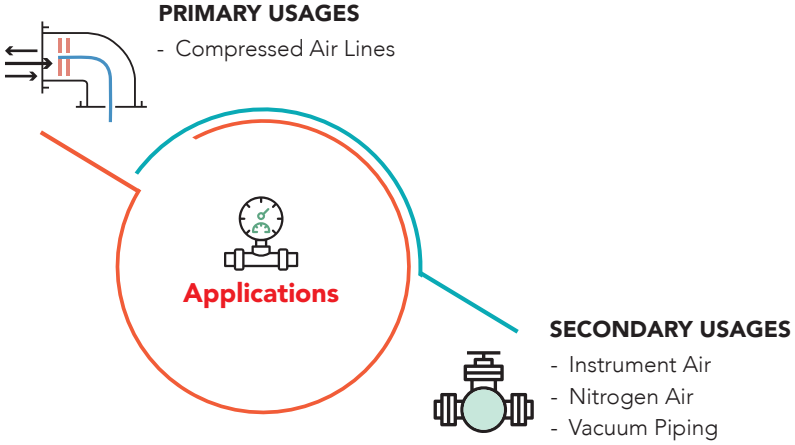
Product range

- **Pipes:** 20 to 315mm as per PN 10 & PN 16 PN 20
- **Fittings:** 20 to 160 mm as per PN 20 & PN25

Standards

Pipes				
Size (mm)	**Working Pressure (Kg/cm²)**	**Standard**	**Colour**	**End Connection**
20 to 160	10, 16 & 20	IS: 15801	Triple layer pipe - Outer layer in Blue Inner layer in White	Poly-fusion welding joint
180 to 315	10	DIN: 8077/8078		

Fittings				
Size (mm)	**Working Pressure (Kg/cm²)**	**Standard**	**Colour**	**End Connection**
20 to 160	20 & 25	DIN:16962	Blue	Socket ends suitable for poly-fusion welding. For transition joints, fittings with threaded metal inserts.



Features and benefits

- Can withstand operating temperatures from -20°*C to 95°C
- UV resistant triple layered pipes are suitable for outdoor installations that are exposed to direct sunlight
- Heat-fusion jointing results in homogenous plastic system ensuring leak-proof joints
- These joints are better than the conventional metal and aluminium joints
- Smooth inner surface, ensuring least friction for the flowing air
- Negligible creation of moisture leading to corrosion free pipes
- Low thermal conductivity

***Application note:** Insulation is necessary at Sub Zero Temperature.

Dimensions

Nominal Size (Outside Diameter)		(mm)	20	25	32	40	50	63	75	90	110	160	180	200	225	250	280	315
Wall Thickness	SDR 11 (PN 10)	(mm)	1.90	2.30	2.90	3.70	4.60	5.80	6.80	8.20	10.00	14.60	16.40	18.20	20.50	22.70	25.40	28.60
	SDR 7.4 (PN 16)	(mm)	2.80	3.50	4.40	5.50	6.90	8.60	10.30	12.30	15.10	21.90	-	-	-	-	-	-
	SDR 6 (PN 20)	(mm)	3.40	4.20	5.40	6.70	8.30	10.50	12.50	15.00	18.30	26.60	-	-	-	-	-	-

INDUSTRIAL

PEFitGAS

MDPE PIPING SYSTEMS

PIPES FOR CITY GAS DISTRIBUTION

Pipes as per
IS 14885:2001

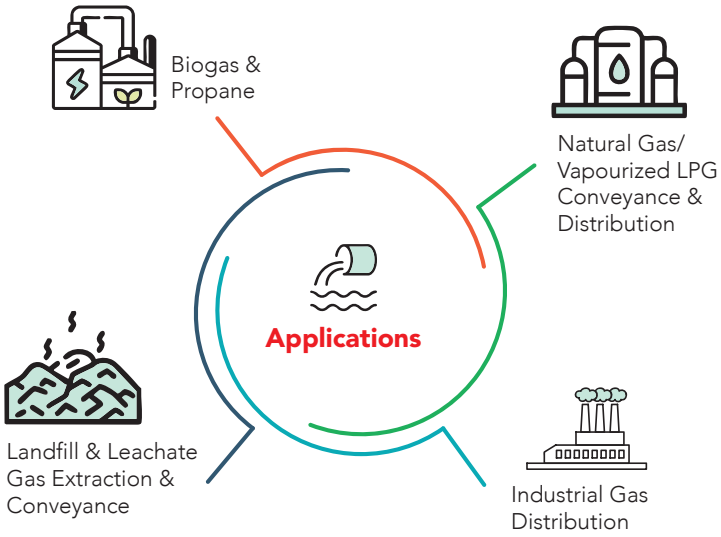
PE80 & PE 100

Overview

Polyethylene (PE) is an eco-friendly hydrocarbon that supports sustainable applications. **PEFit Gas** offer a high-performance, modern solution for transporting natural gas in underground pipelines. They are ideal for both new installations and the upgrade of existing infrastructure, ensuring durability and long-term efficiency.

Product range

- **Pipes:** 20 to 315 mm **Length:** 6 meter
- **Coil:** 150 to 1000 meter



Features and benefits

- Easy to install
- Higher impact strength
- Chemical & corrosion resistance
- Resistance to ground movement & loads
- High abrasion resistance
- Excellent flexibility
- Easy jointing
- High crack resistance
- Excellent escr

Product range

Diameter Size (mm)	Material Classification	Working Pressure	End Connection
20 to 315	PE 80 (Yellow) & PE 100 (Orange)	SDR 11 & SDR 17	Electrofusion

Nominal Size (mm)	Coil Form Length (mtr)	Straight Pipe Length (mtr)
20	1000	6
25		
32		
40	500	
50		
63	300	
75		
90	200	
110	150	
120 - 315	NA	

Characteristics of Polyethylene Compound as per IS14885:2022					
No	Characteristics	Unit	Requirements	Test Parameters	Test Method
1	Conventional Density	Kg/m3	=928.4 (base polymer) =930.0 (base polymer)	23°C 27°C	IS 7328 : 2020
2	Melt Flow Index	g/10mi	= ±20% of value nominated by compound producer PE – 80 (0.41 to 0.90) PE- 100 (0.20 to 0.40)	190°C/5.0kg	IS 2530 : 1963
3	Thermal Stability	min	≥20	200°	Annex B of IS 4984
4	Resistance to gas constituents	h	≥20	80°	Clause 5.5
5	Pigment Dispersion	Grade	≤3	No of test pieces=01	Annex A of IS 4984
6	Water Content	mg/kg	≤350		Annex D of IS 4984

Material specifications

Classification of the material as per is14885:2022		
Material	Minimum Required Strength of material in MPa at 200°C for 50 years	Maximum Allowable Hydrostatic Design Stress ( ) in MPa at 20°C
PE 80	8	4
PE 100	10	5

The values of hydrostatic design stress (s) given above are arrived at by dividing the MRS values by the service design coefficient 'C', i.e., s = MRS / C.

SWR-Reclaim

EASYFIT® RE

Reclaim Piping Systems

WHAT WE DRAIN IS HOW MUCH WE NEED.

Pipes as per:
ASTM D 1785 (SCH 40)
ASTM D 1785 (SCH 80)

Fittings as per:
ASTM D 2466 (SCH 40)
ASTM D 2467 (SCH 80)

Reclaimed water
Not for drinking

Overview

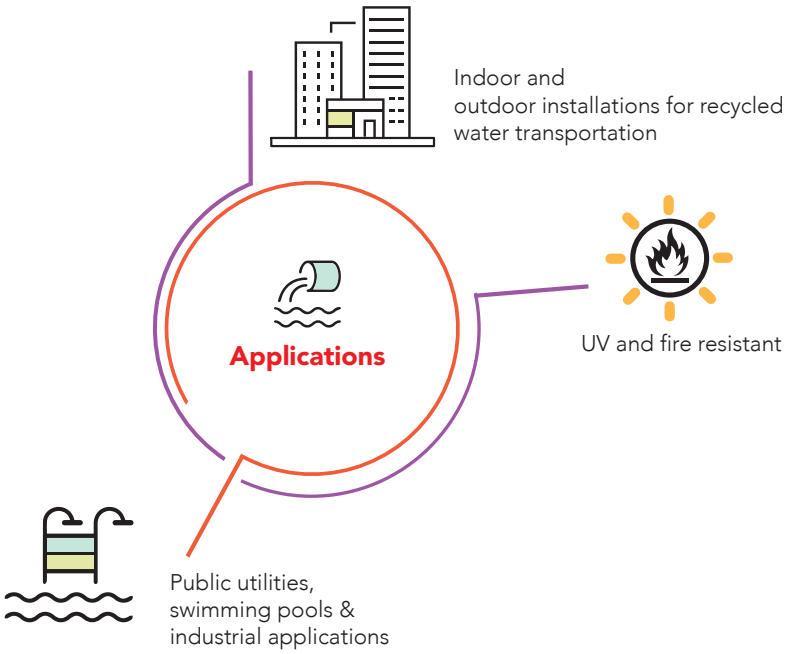
These pipes are specially designed to divert wastewater generated from bathtubs, shower drains, washing machines and kitchen sinks etc. into a system where it can be recycled to replenish depleting water resources. Cost effective, easy to install and UV + Fire resistant, these pipes can be easily identified by their purple color.

Product range

• **Pipes:** 15 to 250mm (1/2 to 10 inch) • **Fittings:** 15 to 150mm (1/2 to 6 inch)

Standards

Pipes				Fittings			
Size (mm)	Class	Standard	End Connection	Size (mm)	Class	Standard	End Connection
15 to 250	SCH - 40	ASTM D - 1785	Solvent Cement Joint and Threaded Joint	15 to 150	SCH - 40	ASTM D 2466	• Solvent Cement Socket Joint. • For transition joints, fittings with plastic threads & metal threaded inserts are available.
15 to 250	SCH - 80	ASTM D - 1785		15 to 100	SCH - 80	ASTM D 2467	



Features and benefits

- Proven performance for recycled water distribution
- Lead-free material
- Self-extinguishing. Does not support combustion
- Fast and easy installation. Saves labour

Dimensions

Dimensional & working pressure details for Easyfit UPVC Pipes (Solvent Weld) at 23°C

Nominal Bore		Outside Diameter	Sch-40		Sch-80	
			Wall Thickness	Working Pressure	Wall Thickness	Working Pressure
(mm)	(inch)	(mm)	(mm)	(Kg/cm²)	(mm)	(Kg/cm²)
15	1/2	21.34 +/- 0.10	2.77 + 0.51	42.40	3.73 + 0.51	59.75
20	3/4	26.67 +/- 0.10	2.87 + 0.51	33.75	3.91 + 0.51	48.50
25	1	33.40 +/- 0.13	3.38 + 0.51	31.60	4.55 + 0.53	44.25
32	1 ¼	42.16 +/- 0.13	3.56 + 0.51	26.00	4.85 + 0.58	36.60
40	1 ½	48.26 +/- 0.15	3.68 + 0.51	23.25	5.08 + 0.61	33.00
50	2	60.32 +/- 0.15	3.91 + 0.51	19.65	5.54 + 0.66	28.10
65	2 ½	73.02 +/- 0.18	5.16 + 0.61	21.10	7.01 + 0.84	29.55
80	3	88.90 +/- 0.20	5.49 + 0.66	18.25	7.62 + 0.91	26.00
100	4	114.30 +/- 0.23	6.02 + 0.71	15.50	8.56 + 1.02	22.50
150	6	168.28 +/- 0.28	7.11 + 0.86	12.60	10.97 + 1.32	19.65
200	8	219.10 +/- 0.38	8.18 + 0.99	11.20	12.70 + 1.52	17.50
250	10	273.00 +/- 0.38	9.27 + 1.12	9.90	15.06 + 1.80	16.20

Working pressure details for Easyfit UPVC Fittings (Solvent Weld) at 23°C

Nominal Bore		Sch-40	Sch-80
		Working Pressure	Working Pressure
(mm)	(inch)	(Kg/cm²)	(Kg/cm²)
15	1/2	25.30	35.85
20	3/4	20.25	29.10
25	1	18.95	26.55
32	1 ¼	15.60	21.95
40	1 ½	13.95	19.80
50	2	11.75	16.85
65	2½	--	17.70
80	3	--	15.60
100	4	--	13.50
150	6	7.50	--

Working pressure for Metal Insert Fittings is 15Kg/cm²

Note: • *For threaded pipes & fittings, the working pressure at 23°C* shall be considered as 50% of rating
• Pressure rating of UPVC pipes & fittings is temperature related. Derating factor shall be applied for applications at higher temperatures

SWR

SILENTFIT®

Low Noise SWR Piping Systems

A PREMIUM DRAINAGE SYSTEM THAT SILENTLY DOES ITS JOB

CERTIFIED BY Fraunhofer IBP GERMANY

Ref. Standard
Pipes as per
IS 13592

Ref. Standard
Fittings as per
IS 14735

Overview

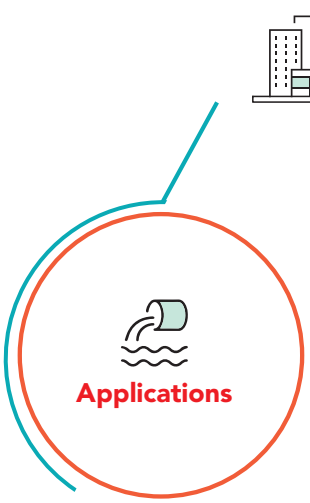
With inevitably noisy urban outdoors, it becomes important to ensure silence and peace of mind indoors. Introducing Prince Silentfit - premium noise insulated drainage piping systems. Made of three layers - the outer and inner layers are made of UPVC material while the middle layer is made of specially formulated PVC serving as a noise insulator the result is silent operation with efficient drainage.

Product range

- **Pipes:**
  - **Rubber Ring Joint:** 75, 110 & 160 mm
  - **Solvent Joint:** 40, 50, 63, 75, 110, 160 mm
- **Fittings:**
  - **Rubber Ring Joint:** 75, 110 & 160 mm
  - **Solvent Joint:** 40, 50, 63, 75, 110, 160 mm

Reference Standards

Pipes			Fittings		
Size (mm)	Ref. Standard	End Connection	Size (mm)	Ref. Standard	End Connection
40, 50, 63, 75, 110, 160	IS 13592	Solvent & Rubber Ring joint	40 to 160	IS 14735	Solvent & Rubber Ring joint



Residential and Commercial buildings that require a high level of noise protection (hospitals, educational institutes, offices, business premises & high-rise buildings etc.) Where high level of noise protection is required.

Features and benefits

- Silent operation
- Compatible with other drainage products
- Sockets with rubber sealing rings allow for thermal expansion & contraction of the pipeline
- The jointing and installation procedures are similar to a regular UPVC SWR piping system
- Self-extinguishing. Does not support combustion.
- Rubber sealing rings ensure firm insertion joints, zero leakage and prevent noise transmission
- Long life

Dimensions

Nominal Size (Outside Diameter)	Mean Outside Diameter		Wall Thickness	
	Minimum	Maximum	Minimum	Maximum
(mm)	(mm)	(mm)	(mm)	(mm)
40	40.00	40.20	3.20	3.40
50	50.00	50.20	3.20	3.40
63	63.00	63.30	3.20	3.50
75	75.00	75.30	3.20	3.50
110	110.00	110.30	3.40	3.80
160	160.00	160.40	4.20	4.60

SWR

ULTRAFIT®

SWR Piping Systems

LEAK-PROOF SEWERAGE FOR SEEPAGE-PROOF STRUCTURES.

Pipes as per IS 13592

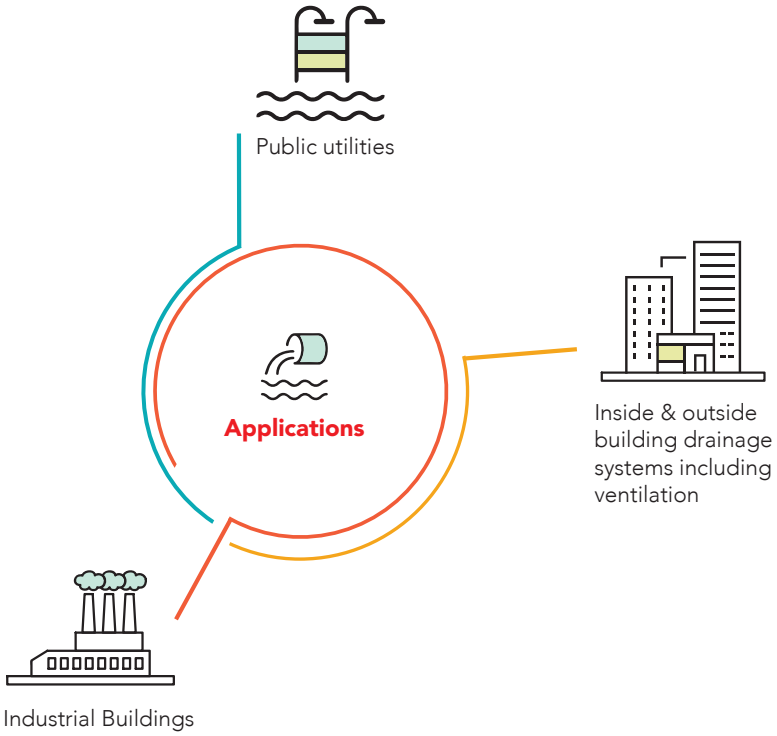
Fittings as per IS 14735

Product range

- **Pipes:**
  - **Rubber Ring Joint:** 75 to 160 mm
  - **Solvent Joint:** 40 to 200 mm
- **Fittings:**
  - **Rubber Ring Joint:** 75, 90, 110 & 160 mm
  - **Solvent Joint:** 40 to 160 mm

Standards

Pipes			Fittings			
Size (mm)	Standard	Type	End Connection	Size (mm)	Standard	End Connection
40 to 200	IS 13592	**Type A** For ventilation pipe work, rain water discharge and harvesting.	Rubber Ring & Solvent Joint	75, 90, 110, 160	IS 14735	Rubber Ring Joint
		Type B For soil and waste discharge system.		40 to 160		Solvent Joint



Features and benefits

- Lighter but strong
- Compatible with other drainage products
- Easy to install with low assembly force
- Smooth bore
- Cost-efficient
- Rubber ring seals ensure long term sealing performance against leakage.

AERATOR

SOLVENT JOINT I RUBBER RING JOINT
FOR SINGLE STACK SYSTEM

NOW M.C.G.M. APPROVED

Technical details

Nominal Size (Outside Diameter)	Mean Outside Diameter		Wall Thickness			
			Type A		Type B	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
40	40.00	40.30	1.80	2.20	3.20	3.80
50	50.00	50.30	1.80	2.20	3.20	3.80
63	63.00	63.30	1.80	2.20	3.20	3.80
75	75.00	75.30	1.80	2.20	3.20	3.80
90	90.00	90.30	1.90	2.30	3.20	3.80
110	110.00	110.40	2.20	2.70	3.20	3.80
160	160.00	160.50	3.20	3.80	4.00	4.60
200	200.00	200.60	-	-	4.90	5.60

SWR

RAINFIT®

Roofwater Systems

EFFICIENT FOR RAIN WATER COLLECTION AND CONVEYANCE

RAINFIT®
Roofwater Systems

Overview

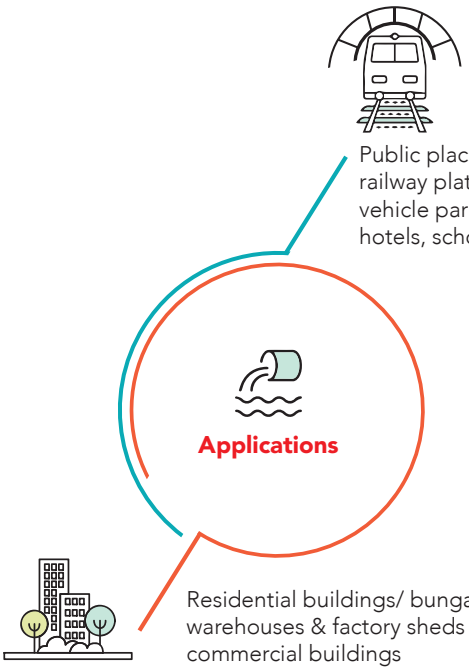
Rainfit Roofwater Systems are broadly used for collection and conveyance of rainwater. These specifically include storage in tanks and pits, recharging borewells, shafts and wells; and augmenting the underground water table through a proper mechanism to percolate soil.

Product range

- **Pipes:**
  - **Half Round Pipes** (uPVC): 140, 180, 250 mm
  - **Downtake Pipes** (uPVC): 75, 110 mm
- **Fittings:** (PP)
  75, 110, 140, 160, 180, 250 mm

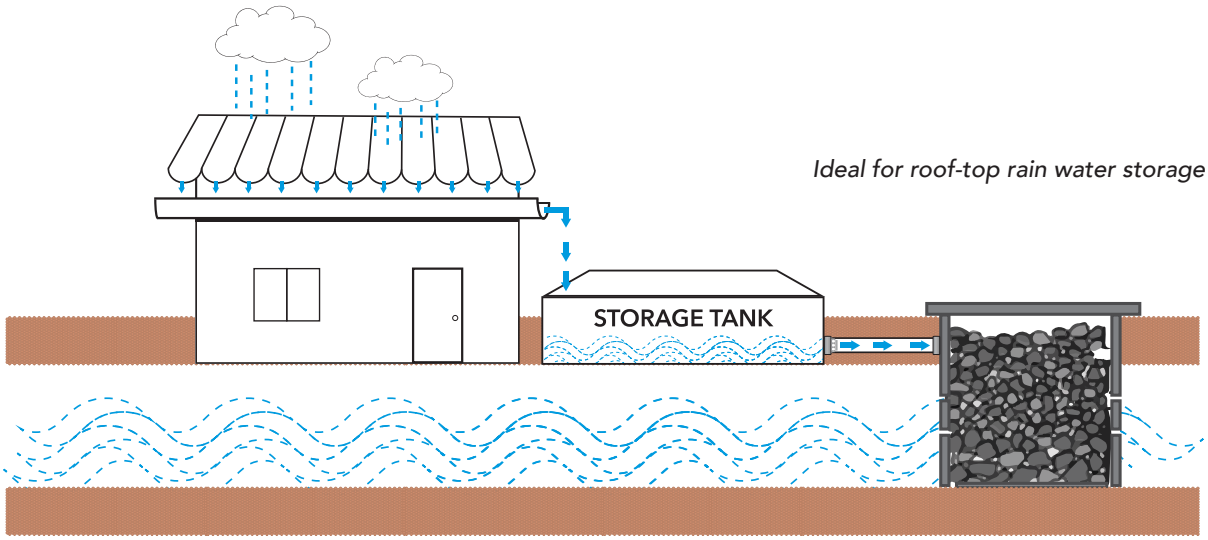
Standards

Pipes		Fittings	
Size (mm)	**End Connection**	**Size (mm)**	**End Connection**
Half Round Pipes - 140, 180, 250 Downtake Pipes - 75, 110	• Elastomeric rubber seal with clamps for half round pipes. • Solvent Joint & Rubber ring Joint for Down take pipes	75, 110, 140, 160, 180, 250	Elastomeric rubber seal with clamps

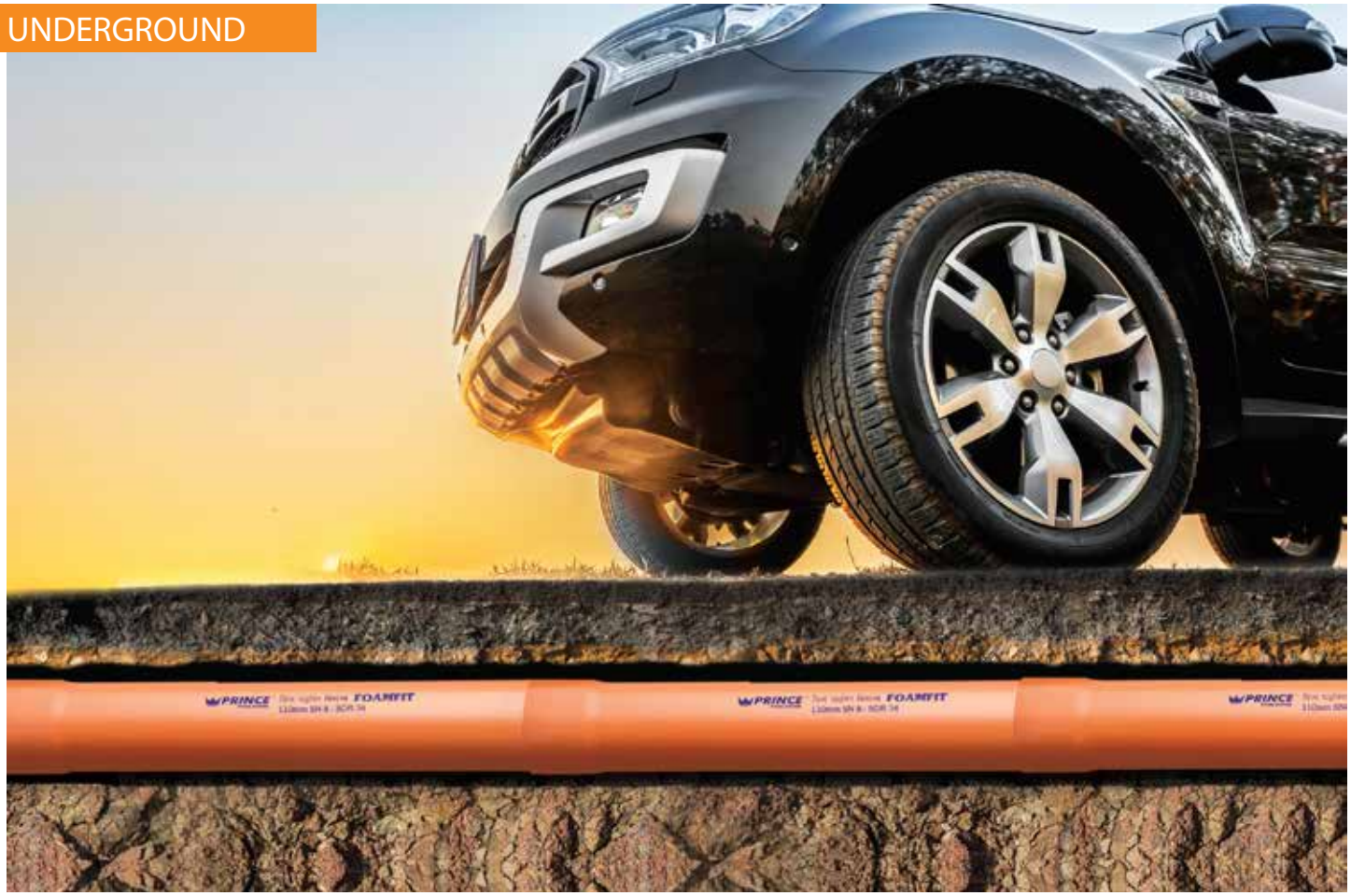


Features and benefits

- Advanced system design ensures effective collection of roof water and efficient discharge
- High mechanical and chemical strength can withstand aggressive environment
- Light weight, easy to handle, store and transport
- Easy to install Saves cost
- Long service life
- UV stabilized - can be installed in areas directly exposed to sunlight
- Smooth and glossy appearance gives it an attractive look



Ideal for roof-top rain water storage



FOAMFIT®

Underground Drainage Piping Systems

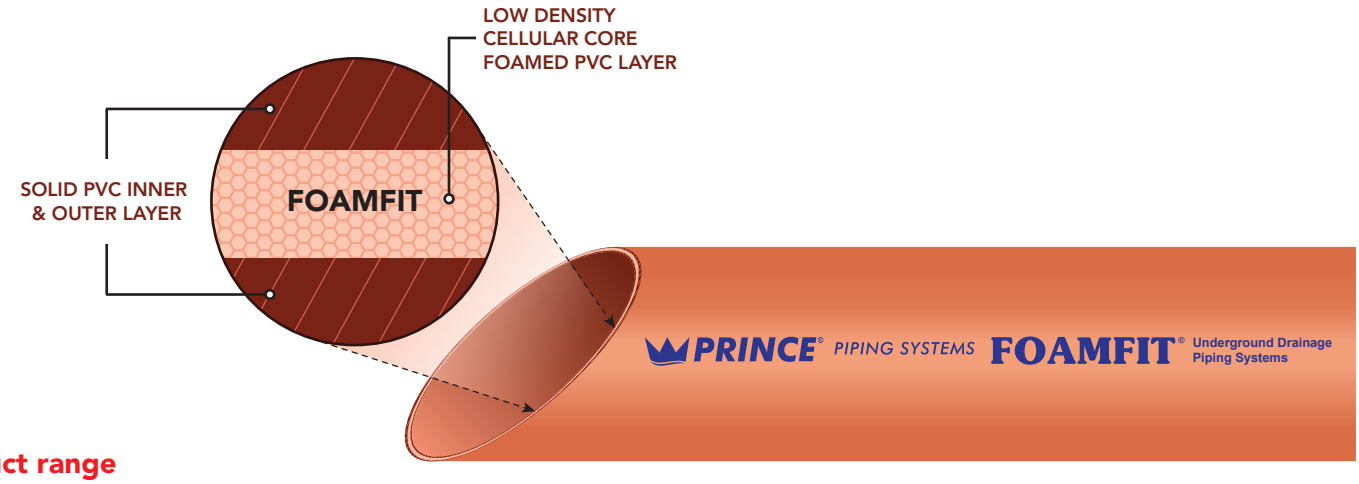
LIGHT WEIGHT SOLUTION FOR LONG LASTING DRAINAGE APPLICATION

Pipes as per
IS 16098
(Part 1)

FOAMFIT®
Underground Drainage
Piping Systems

Overview

An advanced drainage and sewerage solution, these multi-layer pipes are ideal for housing and government developments. While the outer and innermost layers give the pipe a great load bearing capacity, the middle layer provides firmness to the overall pipe structure. In short, better strength with a lighter weight as compared to solid wall PVC pipes.

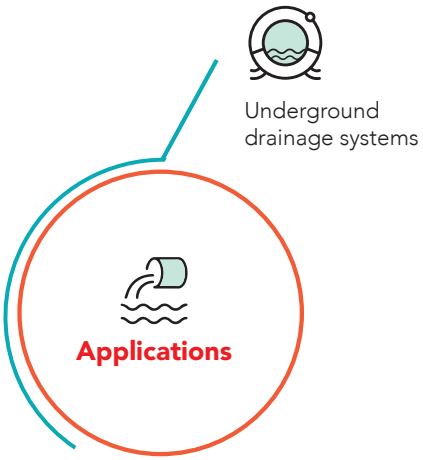


Product range

- **Pipes:** 110, 125, 160, 200, 250 & 315 mm
- **Fittings:** 110, 160 & 200 mm

Standards

Pipes			Fittings	
Size (mm)	**Standard**	**End Connection**	**Size (mm)**	**End Connection**
SN 2 - 160, 200, 250, 315 (Non ISI) **SN 4** - 110, 125, 160, 200, 250, 315 **SN 8** - 110, 125, 160, 200, 250, 315	IS 16098 (part 1)	Elastomeric Sealing Ring Joint & Solvent Joint	110, 160 & 200	Elastomeric Sealing Ring Joint & Solvent Joint



Features and benefits

- Lighter than solid wall UPVC pipe yet strong
- Easy for underground installations
- Available in long length of 6 meter so minimum joints ensuring less chances of leakage
- Compatible with other drainage & sewerage products
- Long life due to improved strength
- Cost saving
- Easy to install
- Anti rodent

Dimensions

Nominal Size (Outside Diameter, d_n)	Mean Outside Diameter, d_{em}		Thickness of inside layer, e_4
	Minimum	Maximum	Minimum
(mm)	(mm)	(mm)	(mm)
110	110.00	110.40	0.4
125	125.00	125.40	0.4
160	160.00	160.50	0.5
200	200.00	200.60	0.6
250	250.00	250.80	0.7
315	315.00	316.00	0.8

DRAINFIT™

UPVC Underground Drainage Piping Systems

FOR UNDERGROUND DRAINAGE APPLICATION

Pipes as per
IS 15328

Fittings as per
EN-1401-1

DRAINFIT™

UPVC Underground Drainage Piping Systems

Overview

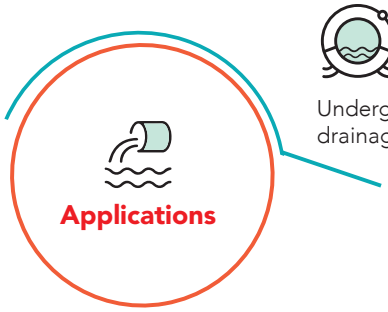
Drainfit Pipes are noticeably lighter and less expensive than existing PVC pipes/ concrete pipes. These pipes are interchangeable with solid wall pipes and are compatible with regular PVC fittings. We have introduced rubber and solvent fittings to offer a complete range of drainage piping systems.

Product range

• **Pipes:** 63 to 400 mm • **Fittings:** 110 & 160 mm

Standards

Pipes			Fittings		
Size (mm)	**Standard**	**End Connection**	**Size (mm)**	**Standard**	**End Connection**
SN 2 - 160 to 400 **SN 4** - 125 to 400 **SN 8** - 63 to 400	IS 15328	Elastomeric Sealing Ring & Solvent Joint	110 & 160	EN-1401-1	Elastomeric Sealing Ring & Solvent Joint



Underground drainage systems

Features and benefits

- Leak proof
- Long life
- Anti-rodent
- Easy transportation, light in weight and easy in wet condition
- Fast and easy installation, even in wet conditions
- Resistance to abrasion, smooth bore pipes reduces the risk of blockage
- Good Impact resistance

Dimensions

Nominal Size (Outside Diameter)	Mean Outside Diameter		Wall Thickness					
			SN2 (SDR 51)		SN4 (SDR 41)		SN8 (SDR 34)	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
63	63.00	63.30	-	-	-	-	2.70	3.10
75	75.00	75.30	-	-	-	-	2.80	3.30
90	90.00	90.30	-	-	-	-	2.90	3.40
110	110.00	110.40	-	-	-	-	3.20	3.70
125	125.00	125.40	-	-	3.20	3.70	3.70	4.40
160	160.00	160.50	3.20	3.70	4.00	4.60	4.70	5.40
200	200.00	200.60	3.90	4.50	4.90	5.60	5.90	6.70
250	250.00	250.80	4.90	5.60	6.20	7.00	7.30	8.30
315	315.00	316.00	6.20	7.00	7.70	8.70	9.20	10.40
400	400.00	401.20	7.90	8.90	9.80	11.00	11.70	13.10

Inspection Chamber

Inspection Chamber		
Size (mm)	**Combination**	**Invert Depth** (mm)
315	1. Base 2. Base with 01 no. riser 3. Base with 02 no. riser 4. Riser with 03 no. riser	195 355 515 675

Inspection Chamber		
Size (mm)	**Combination**	**Invert Depth** (mm)
450 (5 Way)	1. Base 2. Base with 01 no. riser 3. Base with 02 no. riser	290 530 770

Straight Through — Size: 315 X 110mm, 355 X 160mm, 450 X 110mm

Left or Right 90° Bend — Size: 315 X 110mm, 355 X 160mm

Left Hand 90° Junction — Size: 315 X 110mm, 355 X 160mm

Right Hand 90° Junction — Size: 315 X 110mm, 355 X 160mm

Left Hand 45° & 90° Junction — Size: 315 X 110mm

Right Hand 45° & 90° Junction — Size: 315 X 110mm

5 Way Junction — Size: 315 X 110mm, 355 X 160 X 110mm, 450 X 160 X 110mm

UNDERGROUND

CORFIT®

Underground Double Wall Corrugated Pipes

A REVOLUTION TODAY FOR A CLEANER INDIA TOMORROW

Pipes as per IS 16098-2

Overview

Corfit DWC* Pipes and fittings are manufactured using HDPE polymer. These pipes are resistant to various types of gases & chemicals which are generated due to putrefaction of various ingredients flowing in the system.

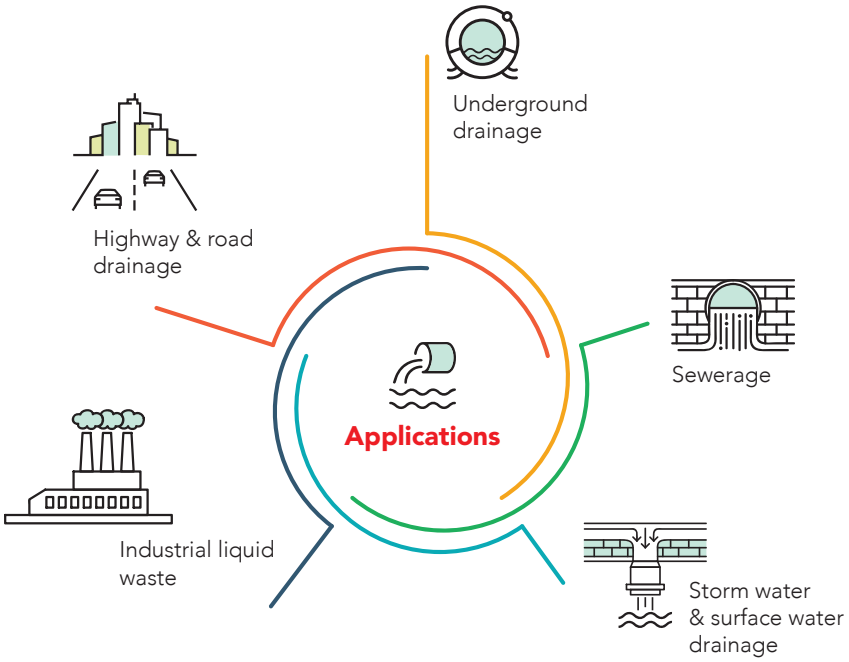
Corfit DWC* Pipes are manufactured as per IS 16098 (Part-2), have a smooth internal surface and corrugated external surface. The corrugated external surface provides greater stiffness, withstands soil movements & takes higher loads (static & dynamic), whereas the internal surface helps in smooth flow of sewerage.

Product range

- **Pipes:** 100 to 1000 mm nominal diameter
- **Fittings:** 100 to 500 mm
- **Inspection Chamber** (uPVC & DWC End Connection)**:**
  - **uPVC:** 600 X 500, 600 X 600, 600 X 750, 600 X 850, 600 X 1000, 600 X 1250 & 600 X 1350 mm
  - **DWC:** 315 X 200, 315 X 350, 315 X 600, 315 X 750, 600 X 600, 600 X 750, 600 X 850, 600 X 1000, 600 X 1250 & 600 X 1350 mm

Standards

Pipes				Fittings		
Size (mm)	**Class**	**Standard**	**End Connection**	**Size (mm)**	**Standard**	**End Connection**
100 to 1000	SN4 & SN8	IS 16098 - Part 2	Rubber Ring Joint	100 to 500	-	Rubber Ring Joint



Features and benefits

- Easy to handle, transport and store
- Easy to install
- Superior performance than RCC Pipes
- Long life
- Available in long length of 6 meter so minimum joints ensuring less chances of leakage
- Corrosion & abrasion resistant
- Anti-rodent material

Inspection Chamber

Size of Inspection Chamber	UPVC Pipe Size (mm)	Corfit DWC Pipe Sizes (mm)
600mm base	110	100
	160	150
	200	200
	250	250
	315	300
315mm base	110#	100

Note: #For the marked sizes, adaptors need to be used.

315mm Inspection Chamber

600mm Inspection Chamber with all 3 inlet closed & spigot type multi outlet

600mm Inspection Chamber with open side inlets

DWC - Double Wall Corrugated

Note: Open & closed side inlet is available in 600mm. As per site requirement, the required size and side to be cut before installation.

UNDERGROUND

CORFIT®

MANHOLE CHAMBERS

UPGRADING INDIA'S DRAINAGE SYSTEM TO MEET GLOBAL STANDARDS

CORFIT®
MANHOLE CHAMBERS

Overview

Corfit Manhole and Inspection Chambers are made from PE (Polyethylene) material. Polyethylene material is resistant to acids, bases and organic compounds, thus Corfit Manhole and Inspection Chambers can withstand aggressive substances like sulphuric acid and hydrogen sulphide which are found in every sewer.

These are integral to underground drainage systems and are installed where multiple drainage lines are connected. It is used for inspection, maintenance and removal of debris which is generated through the flow of sewer waste. These are used in sewerage/drainage networks. For maintenance of sewer manhole entry diameter were maintained for person entry and steps were provided to reach the person safely to base of the Manhole chamber.

Standards

Manufactured under guidelines of BS EN 13598 1 & 2

BS EN 13598-2 For Manhole Chamber.

Applications

Commercial & Municipal sewerage/drainage networks

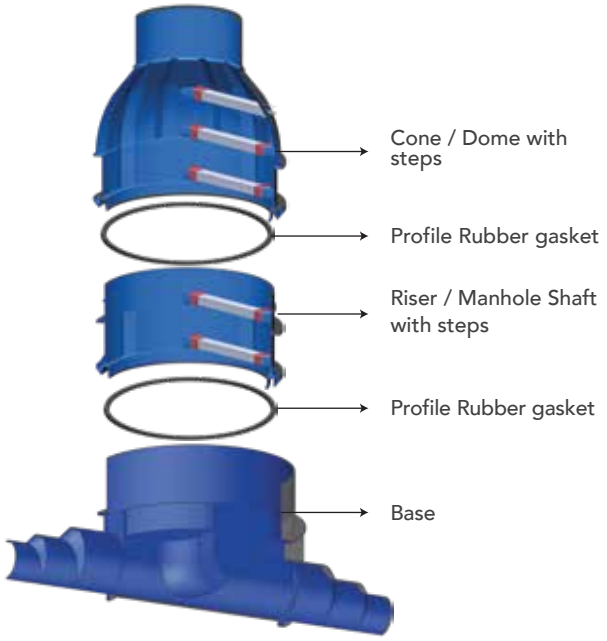
Features and benefits

- Socket, spigot and side inlet connections with rubber sealing ring
- Resistant to floating due to ribs and collar provided on external surface of riser/shaft
- Abrasion resistant
- Smooth inside invert surface for high hydraulic capacity
- Chemical resistant
- About 2° slope provided for gravity flow in Inspection Chamber base
- Light weight

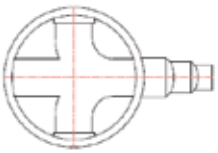
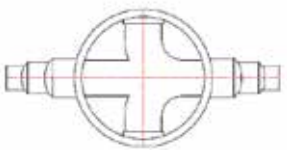
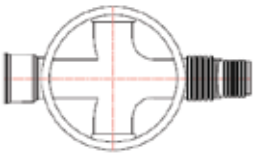
Manhole Part	Total Height (mm)	Effective Height / Invert Depth (mm)
Base	750	700
Riser	580	510
	315	250
Cone	1180	1110
	1330	1260
	1480	1410

Note:- For height / invert depth adjustment, to use combination of Riser & Top Cone.

Manholes assembly consist of:



Product Range

Item description	Main Inlet	Side Inlet	Main Outlet	Product Image	Type of Manhole Base
1000mm Base , 3Inlets and 1Multi outlet suitable for UPVC pipes	110, 160, 200, 250 & 315mm.	110, 160, 200, 250 & 315mm.	200, 250 & 315mm. / 110mm, 160 & 200mm.		
1000mm Base , 2Inlets and 2Multi outlet suitable for UPVC pipes	200, 250 & 315mm.	110, 160, 200, 250 & 315mm.	200, 250 & 315mm. / 110mm, 160 & 200mm.		
1000mm Base , 3Inlets and 1 outlet suitable for DWC pipes	250 & 300mm	100, 150 & 200mm*	250 & 300mm		

Note: *For connecting DWC Pipe to use Rubber ring, Short length of UPVC pipe & Connector

BIOFIT

SEPTIC TANKS FOR WASTEWATER MANAGEMENT

BIOFIT
Septic tanks for wastewater management

Overview

PRINCE BIO-FIT septic tanks are a superior alternative to traditional systems, designed to overcome issues like corrosion, leakage, and groundwater contamination. Unlike conventional tanks, BIO-FIT models offer advanced features and durability.

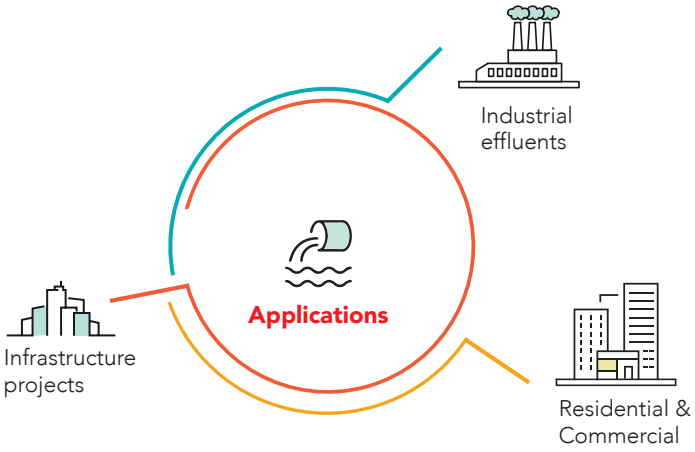
These tanks function as horizontal, continuous-flow sedimentation units—the first stage in decentralized wastewater treatment. They efficiently separate solids, fats, and grease, enabling anaerobic digestion and storing both digested and undigested sludge for safe removal.

Product range

- **Septic Tank:** 1000 to 2000 ltrs.

Standards

Septic Tank Size	Recommended Users	Length	Width	Height	Manhole Size	No. of Manholes	Compartments	Dia -inlet & outlet pipe	Air vent dia
(in Litres)		(mm)	(mm)	(mm)				(mm)	(mm)
1000	5	2000	910	1000	450	2	2	110	75
1500	8	2300	1010	1100	450	2	2	110	75
2000	10	2560	1100	1150	450	2	2	110	75



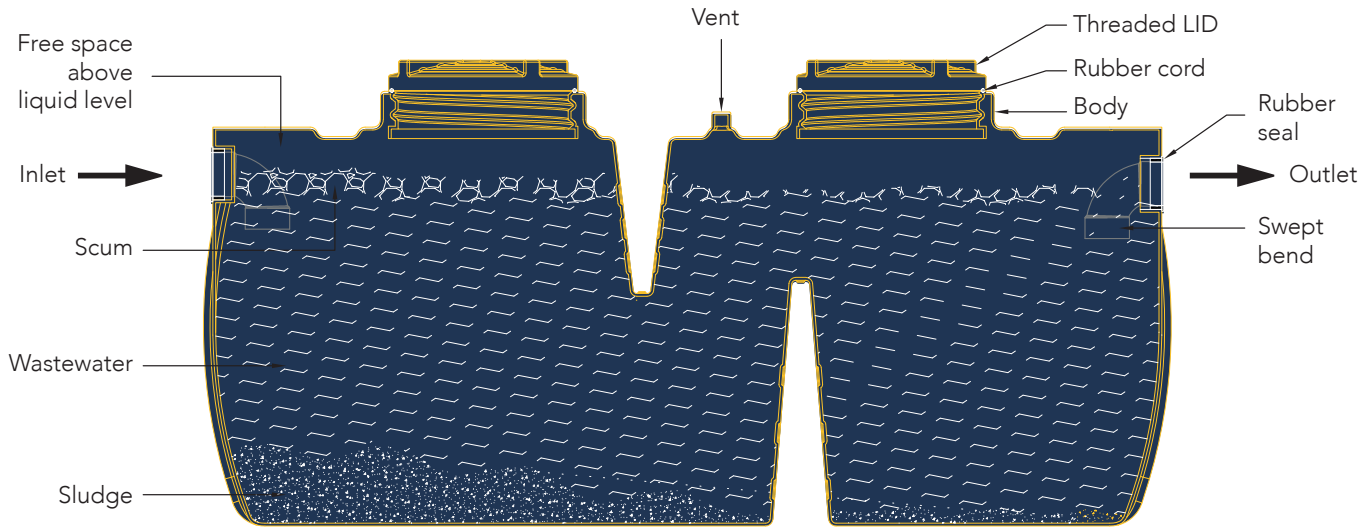
Features and benefits

- Single-piece construction
- Distinctive design
- Exceptional strength
- Easy and fast installation
- Watertight and airtight
- Strong chemical resistance
- Exceptional longevity
- Polyethylene septic tanks are leak-free

Functioning of Biofit Septic Tank

In the septic tank, solids are separated from the wastewater. Heavier solids settle at the bottom, lighter solids and fats float to the top, and there is a clear layer in between. This process reduces the solid content of the wastewater by up to 80%. The settled solids are called sludge, the floating thick layer is known as scum, and the clear layer is called well clear. While the liquid in the clear layer is not highly treated, it is much clearer than the wastewater that initially entered the tank as larger particles have moved into the sludge/scum layers.

Another important role a septic tank plays is to store these accumulated solids until they are treated in the system.



DURAFIT™

FRP Manhole & Chamber Covers

CORROSION-FREE. SKID-FREE.

Overview

Durafit FRP Manhole & Chamber Covers with frames are light weight & are superior to the conventional cast iron, ductile iron & RCC covers. The covers are available in various standard sizes with load bearing capacity from 1.5 to 40 tons.

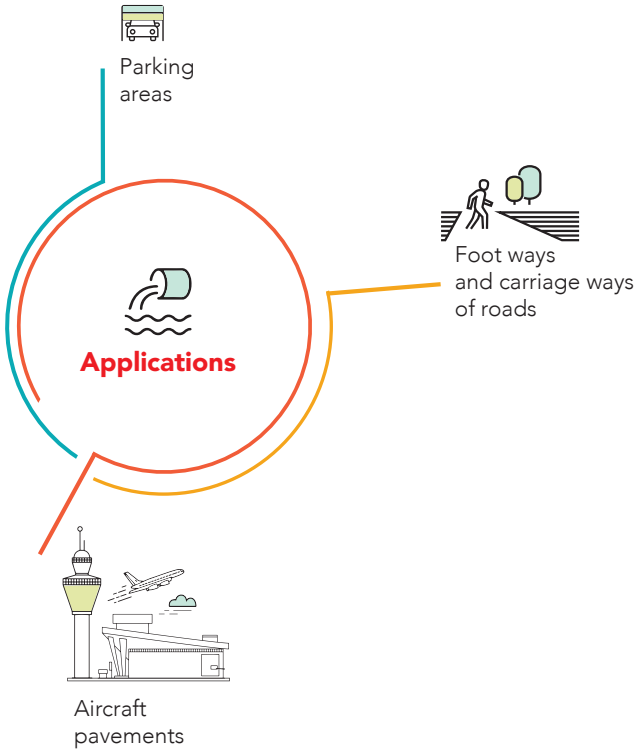
Product range

- **Chamber Cover**
  - **Circular:** 315 mm
  - **Square:** 10 X 10, 12 X 12, 18 X 18 inch
  - **Rectangular:** 18 X 24 inch
- **Gully Cover:** 450 X 450, 500 X 600, 600 X 600 900 X 600, 900 X 900 mm
- **Manhole Covers**
  - **Circular:** 530, 600 & 900 mm
  - **Square:** 300, 450, 600, 900, 1000, & 1200 mm
  - **Rectangular:** 600 X 450, 900 X 450, 900 X 600, 900 X 1200 & 1200 X 900 mm
- **Recessed Manhole Cover:** 300 X 300, 450 X 450, 450 X 900, 600 X 600 750 X 750, 900 X 900, 1000 X 1000 mm

Standards

Durafit Manhole covers are tested as per **BS EN 124 1994** for gully tops & manhole tops for vehicular & pedestrian areas.
Load & permanent set testing for following classes:

A-15kN (1.5 ton)	Areas which can only be used by pedestrians and pedal cyclists.
B-125kN (12.5 ton)	Carriage ways of roads (including pedestrian streets), hard shoulders and parking decks.
C-250kN (25.0 ton)	For gully tops installed in the area of kerbside channels of roads.
D-400kN (40.0 ton)	Carriage ways of roads (including pedestrian sheets), hard shoulders and parking areas for all types of road vehicles



Features and benefits

1. Protection against theft with greater safety options

- Zero theft value, reducing potential accident and maintenance cost further caused by thieves
- Locks are available as an option molded into the cover to improve security rate
- Surface anti-slip thread guarantees safe road conditions even in extreme weather

2. Light-weight

- 50% lighter compared to cast iron manhole covers
- Its lighter weight allows more loading per vehicle and convenient transportation thus saving freight
- Allows safer working conditions - a single worker is enough during installation without a risk of injury

3. Durable service life

- Anti-corrosion, well-sealed, prevents poisonous gases, water, dust and pests from leaking out
- Withstands temperatures from - 40°C to 200°C

4. High Load Rating & Strength

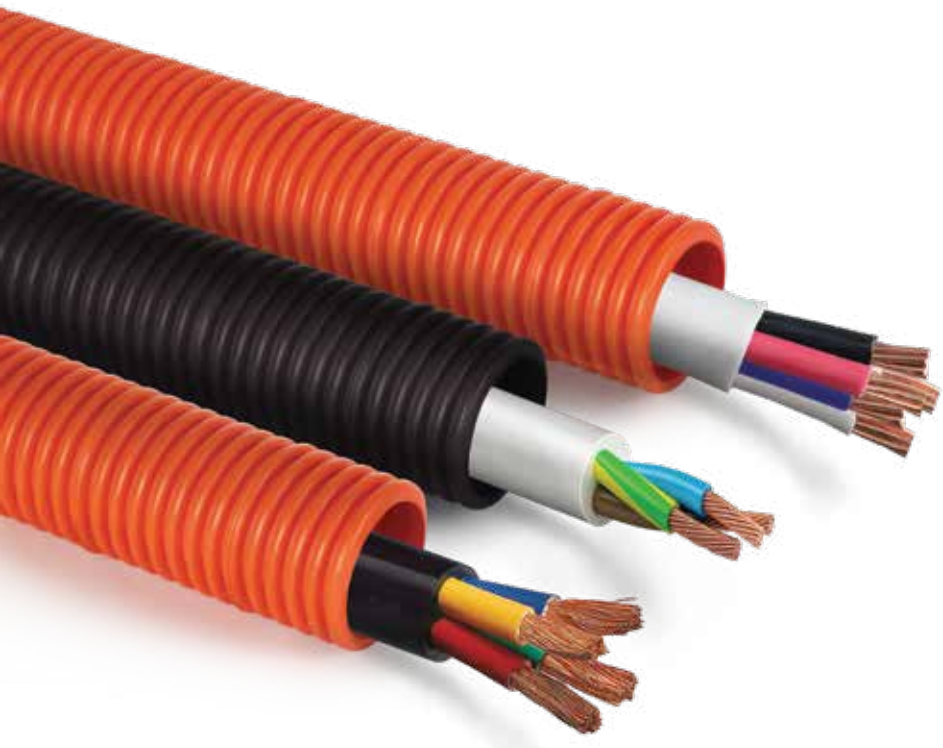
- Similar hard property as cast iron, while having an overwhelming advantage on stretch recovery
- Designed to meet and exceed A15/B125/C250/D400 load rating, according to En124:1994
- Less noise & lower vibration transmissions

CABLE PROTECTION

CABLEFIT™

CABLE DUCTING PIPES

PROTECT THE CABLES THAT POWER YOUR PROJECT



Pipes as per
IS 16205 - 24

CABLEFIT
CABLE DUCTING PIPES

Overview

Infrastructure in India is seeing new avenues on daily basis. With multiple innovations happening across sectors and wiring being involved in almost all sectors, cable ducting becomes an essential investment in protecting wires across applications.

Introducing PRINCE CABLEFIT, made from High Density Polyethylene (HDPE) which provides long-term strength, chemical resistance and prevention of stress cracks. Its unique double-walled construction makes it light-weight, gives excellent mechanical properties like high ring stiffness and better impact strength. The smooth inner wall facilitates easy insertion of ducts and cables.

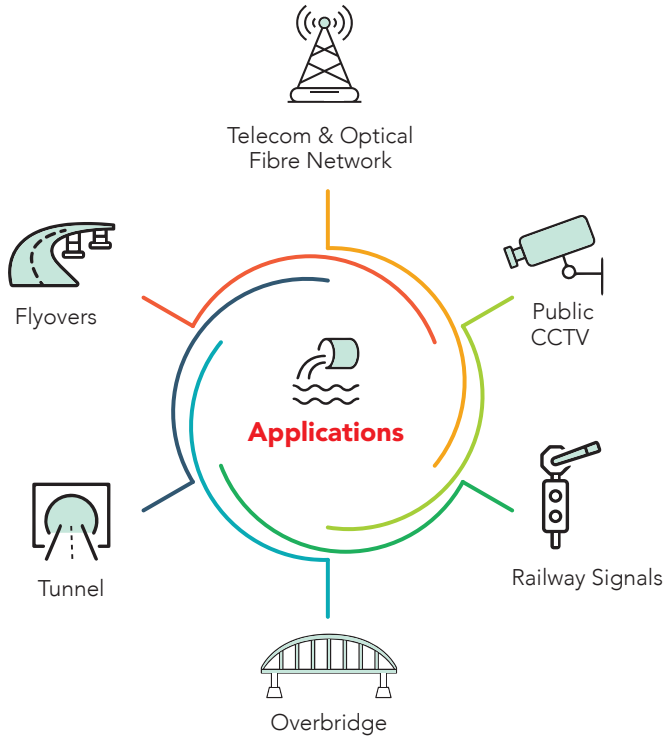
These pipes are manufactured using ultra-modern hi-tech machines which results in excellent finished product. It is manufactured as per standard IS 16205 – Part 24. Prince Cablefit is available in class 450N and 750N.

Product range

- **Pipes (OD):** 40 , 50 , 63 , 75 , 90 , 110 , 120 , 160, 180 & 200 mm.
- **Fittings:** 50 , 63 , 75 , 90 mm.
  - Standard length of pipes is 6 m for sizes 90 mm - 160 mm.
  - For sizes 50 mm, 63 mm & 75 mm, it will be available in coil of 100 m.

Standards

Pipes				Fittings		
Size (mm)	Class	Standard	End Connection	Size (mm)	Standard	End Connection
40 to 200	-	IS 16205 - 24	Coupler (with or without rubber ring)	50 to 90	-	Coupler (with or without rubber ring)



Features and Benefits

- Light-weight makes it easy to assemble and transport
- Smooth internal surface makes it easy to pull cables through the pipe
- Optimum mechanical and physical properties
- Tough outer surface makes it easy to resist high impacts
- Low-maintenance and long-lasting
- Built-in space capacity for future expansion
- Reduces cable over cable damage

Fittings


Coupler


Elbow


Tee

CABLE PROTECTION

WiREFIT®

Electrical Conduit Pipes & Fittings

PREVENT ELECTRICAL HAZARDS WITH WIREFIT

Certified by

ERDA
ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

Pipes as per IS 9537 (Part3)

Fittings as per IS 3419

Overview

Wirefit is the latest addition to the wide range of piping solutions that have made Prince one of the industry's fastest growing players. The Prince brand brings an assurance of quality, reliability and durability – and Wirefit is no exception. It offers great chemical resistance, good impact strength, and low conductivity – making it a perfect fit for homes and workplaces. Additionally, it's high-heat deflection temperature and ductile behavior at low temperatures ensure safety at all times.

Product range

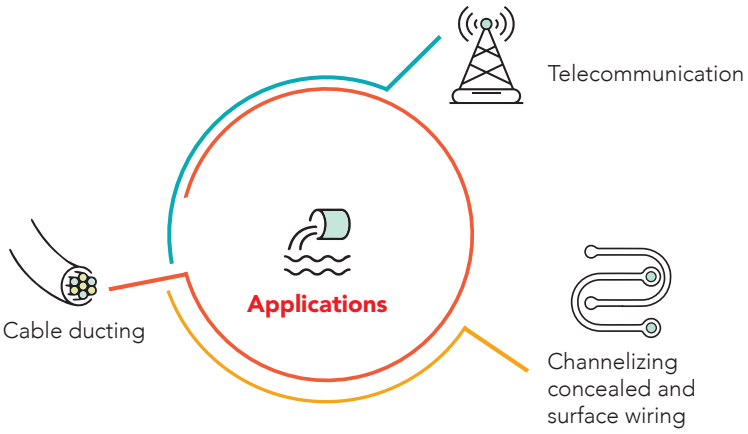
• **Pipes:** 20 to 63 mm • **Fittings:** 20 to 63 mm

Standards

Pipes				Fittings		
Size (mm)	Standard	Colour Codes & Classification	End Connection	Size (mm)	Standard	End Connection
20 - 63	IS 9537 (Part 3)	BLUE **LMS:** Light mechanical stresses YELLOW **MMS:** Medium mechanical stresses GREEN **HMS:** Heavy mechanical stresses	Solvent Cement	20 - 63	IS 3419	Solvent Cement

Colour

Wirefit pipes & fittings will be available in Ivory & Black colour.



Features and benefits

- Moisture & Chemical Resistant
- Fire resistant
- Non Corrosive
- Concrete Tight Joints
- Safety

Conduit Plain End Dimensions

Nominal Size (mm)	Outside Diameter	Tolerance on Outside Diameter	Inside Diameter (Min)			Inside Cross sectional area of Conduit (mm²)		
			Light	Medium	Heavy	Light	Medium	Heavy
20	20	-0.3	17.4	16.9	15.8	238	224	196
25	25	-0.4	22.1	21.4	20.6	384	360	333
32	32	-0.4	28.6	27.8	26.6	643	607	556
40	40	-0.4	35.8	35.4	34.4	1007	984	930
50	50	-0.5	45.1	44.3	43.2	1598	1542	1466
63	63	-0.6	57.0	--	--	2552	--	--

Conduit Socket End Dimensions

Nominal Size (mm)	Outside Diameter (Max)	Inside Diameter	Length of Socket End (Min)
20	24.5	20.10 (+0.20 / -0.00)	40
25	29.8	25.10 (+0.30 / -0.00)	40
32	37.8	32.10 (+0.30 / -0.00)	50
40	46.1	40.10 (+0.40 / -0.00)	60
50	57.3	50.10 (+0.40 / -0.00)	60
63	69.6	63.10 (+0.50 / -0.50)	60

AGRICULTURE

AQUAFIT®

Agriculture Piping Systems

AN EVERGREEN SOLUTION.

Pb LEAD-FREE

#Lead free pipes & fittings*

Pipes as per IS 4985

Fittings as per IS 7834

*except brass fittings

Overview

Pressure & Non-Pressure Pipes are manufactured in accordance with IS:4985 covering a complete range from 20 mm to 400 mm. They are available in pressure rating 2.5 Kg/cm², 4 Kg/cm², 6 Kg/cm², 8 Kg/cm², 10 Kg/cm², 12.5 Kg/cm² & 16 Kg/cm² as defined in IS:4985. The pipes are provided with plain socket and suitable for solvent cement jointing.

Their main application is in agriculture for water supply, drip irrigation & sprinkler lines etc. as well as for drinking water distribution. However, these can also be used in cable ducting, ventilation pipe lines & slurry lines etc.

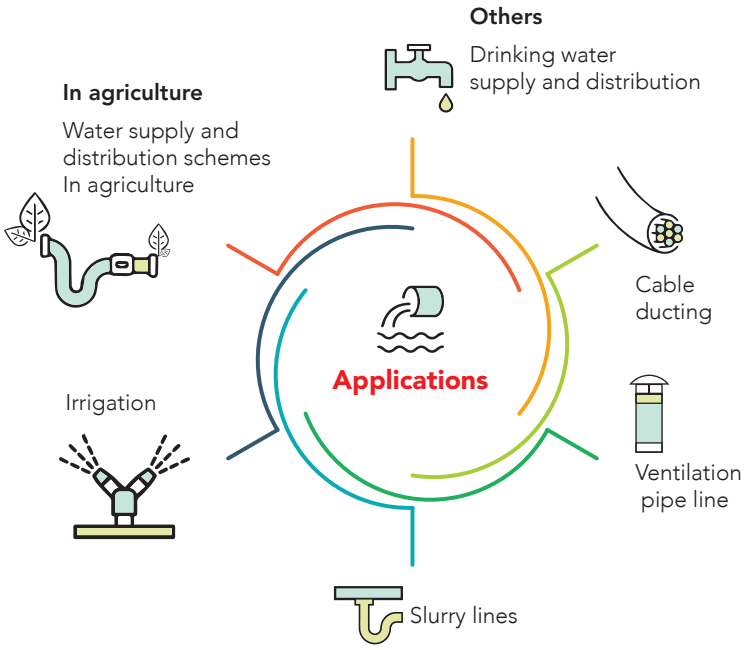
They are available in light grey colour and nominal length of 6 mtrs.

Product range

• **Pipes:** 20 to 400 mm • **Fittings:** 20 to 250 mm

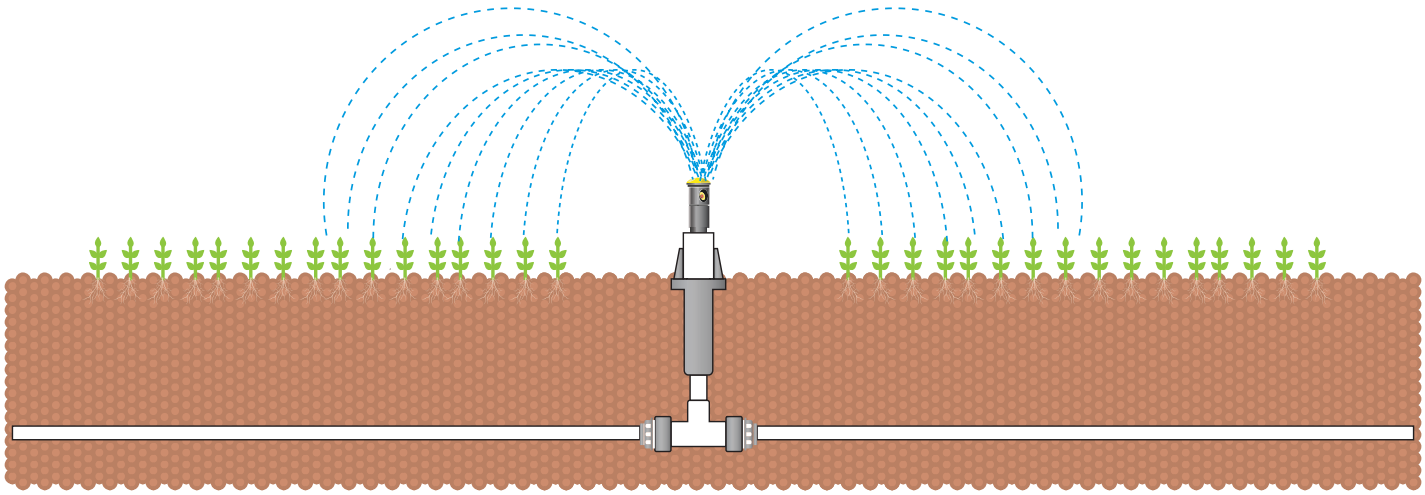
Standards

Pipes				Fittings			
Size (mm)	Working Pressure (Kg/cm²)	Standard	End Connection	Size (mm)	Working Pressure (Kg/cm²)	Standard	End Connection
20 to 400	2.5, 4, 6, 8,10 & 12.5	IS 4985	Solvent Joint	20 to 250	4, 6, 10 & 16	IS 7834	Solvent Joint, Threads (For transition fittings)



Features and benefits

- Light weight, easy to transport, store, handle and install. Saves labour
- Smooth bore ensures higher flow compared to G.I pipes and fittings of the same size. No clogging. Saves operational cost
- Solvent cement joint therefore quick installation
- Corrosion resistance, UPVC is rustproof material therefore bore diameter remains constant, ensuring constant flow over a lifetime
- Long working life (if operated under normal/ recommended working conditions)
- Cost effective. Added value for your money



AQUAFIT®
Agriculture Piping Systems

Dimensions for Aquafit pipes

Nominal Outside Diameter (Nominal Size)	Mean Outside Diameter		Wall Thickness												Mean Socket Internal Diameter of Mid Point of Socket Length	
			Class 1 0.25 MPa 2.5 Kg/cm²		Class 2 0.40 MPa 4.0 Kg/cm²		Class 3 0.60 MPa 6.0 Kg/cm²		Class 4 0.80 MPa 8.0 Kg/cm²		Class 5 1.00 MPa 10.0 Kg/cm²		Class 6 1.25 MPa 12.5 Kg/cm²			
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
20	20.0	20.3	-	-	-	-	-	-	-	-	1.1	1.5	1.4	1.8	20.1	20.3
25	25.0	25.0	-	-	-	-	-	-	1.2	1.6	1.4	1.8	1.7	2.1	25.1	25.3
32	32.0	32.3	-	-	-	-	-	-	1.5	1.9	1.8	2.2	2.2	2.7	32.1	32.3
40	40.0	40.3	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7	2.8	3.3	40.1	40.3
50	50.0	50.3	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3	3.4	4.0	50.1	50.3
63	63.0	63.3	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1	4.3	5.0	63.1	63.3
75	75.0	75.3	-	-	1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9	5.1	5.9	75.1	75.3
90	90.0	90.3	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5.0	5.7	6.1	7.1	90.1	90.3
110	110.0	110.4	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1	7.5	8.7	110.1	110.4
125	125.0	125.4	1.8	2.2	2.9	3.4	4.3	5.0	5.6	6.4	6.9	8.0	8.5	9.8	125.1	125.4
140	140.0	140.5	2.0	2.4	3.2	3.8	4.8	5.5	6.3	7.3	7.7	8.9	9.5	11.0	140.2	140.5
160	160.0	160.5	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2	10.9	12.6	160.2	160.5
180	180.0	180.6	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4	12.2	14.1	180.2	180.5
200	200.0	200.6	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11.0	12.7	13.6	15.7	200.3	200.6
225	225.0	225.7	3.3	3.9	5.2	6.0	7.6	8.8	10.0	11.5	12.4	14.3	15.3	17.6	225.3	225.7
250	250.0	250.8	3.6	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9	17.0	19.6	250.4	250.8
280	280.0	280.9	4.1	4.8	6.4	7.4	9.5	11.0	12.5	14.4	15.4	17.8	19.0	21.9	280.4	280.9
315	315.0	316.0	4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9	21.4	24.7	315.4	316.0
355	355.0	356.1	5.1	5.9	8.1	9.4	12.0	13.8	15.8	18.2	19.6	22.6	24.1	27.8	355.4	356.0
400	400.0	401.2	5.8	6.7	9.1	10.5	13.5	15.6	17.8	20.5	22.0	25.3	27.2	31.3	400.4	401.0

Note: Pipes available with ISI mark except 400 mm.

Properties of UPVC Pipes

Mechanical

Tensile Strength	:	415 - 525 Kg/cm^2
Compression Strength	:	550 - 910 Kg/cm^2
Flexural Strength	:	680 - 1100 Kg/cm^2
Izod Impact Strength	:	4 - 5 Kg/cm^2
Shore Hardness	:	D 65 - 85

Thermal

Co-efficient of Linear Expansion	:	0.08 mm/M°C
Vicat Softening Temperature	:	>78°C
Max. Operating Temperature	:	60°C

Standards, Quality Control and Testing

The manufacturing and testing is done for pipes in accordance with IS: 4985
All the above pipes, except non-pressure pipes are tested for potable water supplies in accordance with their relevant standards and as per the test methods given in IS: 12235

Hazen - William's Flow Co-efficient Comparison

Pipe Material	PVC	A. C.	G. I.	C. I.
Flow Co-efficient	150	130	110	100

Pressure Rating vs Temperature Derating Factor

Temp Deg (C)	Derating factor
0-25	1
27	0.95
30	0.89
35	0.79
40	0.71
45	0.63
50	0.42
55	0.34
60	0.25

As the temperature of fluid flowing through installation increases, the pressure withstanding capacity of installation wall decreases. So to find out the pressure rating of PVC Pipes & Fittings at required temperature, multiply, the pressure rating of Pipes & Fittings by derating factor given in table.

Example:

Rated pressure of installed system 10 Kg,

Up to 25°C, the system can stand 10 Kg pressure,

If Temperature is 40°C, derating factor is 0.71,

Therefore 10 x 0.71 = 7.1 Kg.

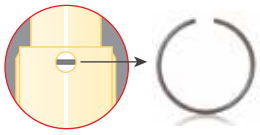
So, the system can withstand 7.1 Kg.

BOREWELL

SAFEFIT®

Borewell Systems

LIGHT WEIGHT.
LOW MAINTENANCE.
HIGH RESISTANCE.



CIRCLIP INSIDE

Pipes as per
IS 12818

Overview

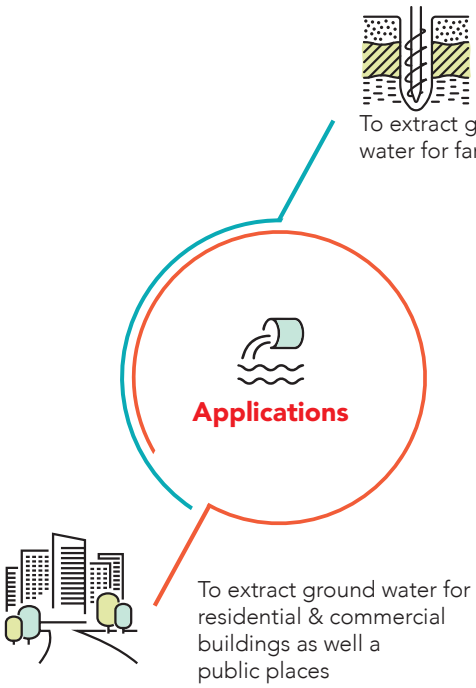
Designed to be used in borewell applications, these piping systems are made from a high-quality PVC compound that ensures they have high tensile strength, can withstand high impact and have minimum water friction. What makes them even more unique is the CIRCLIP locking system designed specially to withstand pressure during underground water extraction.

Product range

- **Screen Pipes:**
  40 to 250 mm (1½" to 10")
- **Casing Pipes:**
  40 to 300 mm (1½" to 12")
- **Rising Main Pipes:**
  25 to 100 mm (1" to 4")
- **Bell Form Pipes - V4:**
  25, 32, 40 mm (1", 1¼", 1½")

Standards

Pipes				
Pipes	**Type**	**Size (mm)**	**Standard**	**End Connection**
Screen Pipes	Ribbed Screen	40 to 250 (1½" to 10")	IS 12818	Threaded Joint
	Plain Screen - CM	100 to 250 (4" to 10")		
	Plain Screen - CS	100 to 250 (4" to 10")		
Casing Pipes	Casing Pipes - CM	40 to 300 (1½" to 12")		
	Casing Pipes - CS	100 to 250 (4" to 10")		
	Casing Pipes - CD	100 to 250 (4" to 10")		
Rising Main Pipes	V4 - Pipes	25 to 40 (1" to 1½")		
	Medium, Standard	25 to 100 (1" to 4")		
	Heavy Duty Pipes	32 to 100 (1¼" to 4")		
Bell Form Pipes	V4	25 ,32 ,40 (1", 1¼", 1½")	-	-



Features and benefits

- Easy to transport, store, handle and install
- Saves labour & installation cost
- Smooth bore ensures no clogging and higher flow compared to G.I. pipeline of the same size
- Bore diameter remains constant, ensuring constant flow over lifetime
- Superior resistance to most of the chemicals - no scaling makes the system almost maintenance-free
- Long life

SAFEFIT®
Borewell Systems

Dimensions of Medium Well Screen (RMS) & Deep Well Screen (RDS) Pipes with Ribs / Ribbed Screen Pipes

Nominal Diameter (DN)		Mean Outer Diameter of the Pipe (d) (mm)		Medium Well Screen (RMS)			Deep Well Screen (RDS)		
				Mean Outer Diameter over Connection, (d_s)	Wall Thickness 'e' (under ribs) (mm)		Mean Outer Diameter over Connection, (d_s)	Wall Thickness, 'e' (mm)	
mm	inches	Min	Max	Max	Min	Max	Max	Min	Max
40.0	1½	52.00	52.20	56.00	3.50	4.00	--	--	--
50.0	2	64.00	64.20	69.00	4.00	4.60	--	--	--
80.0	3	92.00	92.30	98.00	4.00	4.60	--	--	--
100.0	4	117.00	117.30	124.00	5.00	5.70	129.00	7.00	7.90
115.0	4½	129.00	129.30	--	--	--	141.00	7.50	8.50
125.0	5	144.00	144.40	154.00	6.50	7.30	156.00	8.00	9.00
150.0	6	169.00	169.40	182.00	7.50	8.50	184.00	9.50	10.70
175.0	7	204.00	204.50	219.00	8.80	9.80	221.00	11.80	13.60
200.0	8	229.00	229.50	247.00	10.00	11.20	251.00	13.00	14.80
250.0	10	284.00	284.50	302.00	12.50	14.00	309.00	16.00	17.60
300.0	12	334.00	334.60	356.00	14.50	16.20	363.00	19.00	21.00
350.0	14	404.00	404.70	432.00	17.50	19.50	437.00	21.50	23.90
400.0	16	454.00	454.80	483.00	19.50	21.70	494.00	23.50	26.10

Dimensions of Plain Medium Well Screen (PMS) & Plain Deep Well Screen (PDS) Pipes

Nominal Diameter (DN)		Mean Outer Diameter of the Pipe (d) (mm)		Plain Medium Well Screen (PMS)			Plain Deep Well Screen (PDS)				
				Mean Outer Diameter over Connection, (d_s)	Wall Thickness 'e' (mm)		Outer Diameter at any point d_e (mm)		Mean Outer Diameter over Connection, (d_s)	Wall Thickness, 'e' (mm)	
mm	inches	Min	Max	Max	Min	Max	Min	Max	Max	Min	Max
200.0	8	225.00	225.50	243.00	10.00	11.20	224.50	225.80	247.00	13.00	14.80
250.0	10	280.0	280.50	298.00	12.50	14.00	279.40	280.80	304.00	16.00	17.60
300.0	12	330.00	330.60	352.00	14.50	16.20	329.30	331.00	359.00	19.00	21.00
350.0	14	400.0	400.70	428.00	17.50	19.50	399.20	401.20	433.00	21.50	23.90
400.0	16	450.00	450.80	479.00	19.50	21.70	449.10	451.30	490.00	23.50	26.10

Dimensions of Medium Well Casing (CM) & Shallow Well Casing (CS) Pipes

Nominal Diameter (DN)		Mean Outer Diameter of the Pipe (d) (mm)		Medium Well Casing (CM) Pipes			Shallow Well Casing (CS) Pipes		
				Mean Outer Diameter over Connection, ($d_{'s'}$)	Wall Thickness 'e' (under ribs) (mm)		Mean Outer Diameter over Connection, ($d_{'s'}$)	Wall Thickness, 'e' (mm)	
mm	inches	Min	Max	Max	Min	Max	Max	Min	Max
40.0	1½	48.00	48.20	52.00	3.50	4.00	--	--	--
50.0	2	60.00	60.20	65.00	4.00	4.60	--	--	--
80.0	3	88.00	88.30	94.00	4.00	4.60	--	--	--
100.0	4	113.00	113.30	120.00	5.00	5.70	--	--	--
125.0	5	140.00	140.40	150.00	6.50	7.30	--	--	--
150.0	6	165.00	165.40	178.00	7.50	8.50	174.00	5.70	6.50
175.0	7	200.00	200.50	215.00	8.80	9.80	211.00	7.00	7.80
200.0	8	225.00	225.50	243.00	10.00	11.20	238.00	7.60	8.80
250.0	10	280.00	280.50	298.00	12.50	14.00	292.00	9.60	11.00
300.0	12	330.00	330.60	352.00	14.50	16.20	--	--	--

Note: 32 mm (1¼") Nominal Diameter pipes are available on special request.

Dimensions of Deep Well Casing (CD) Pipes

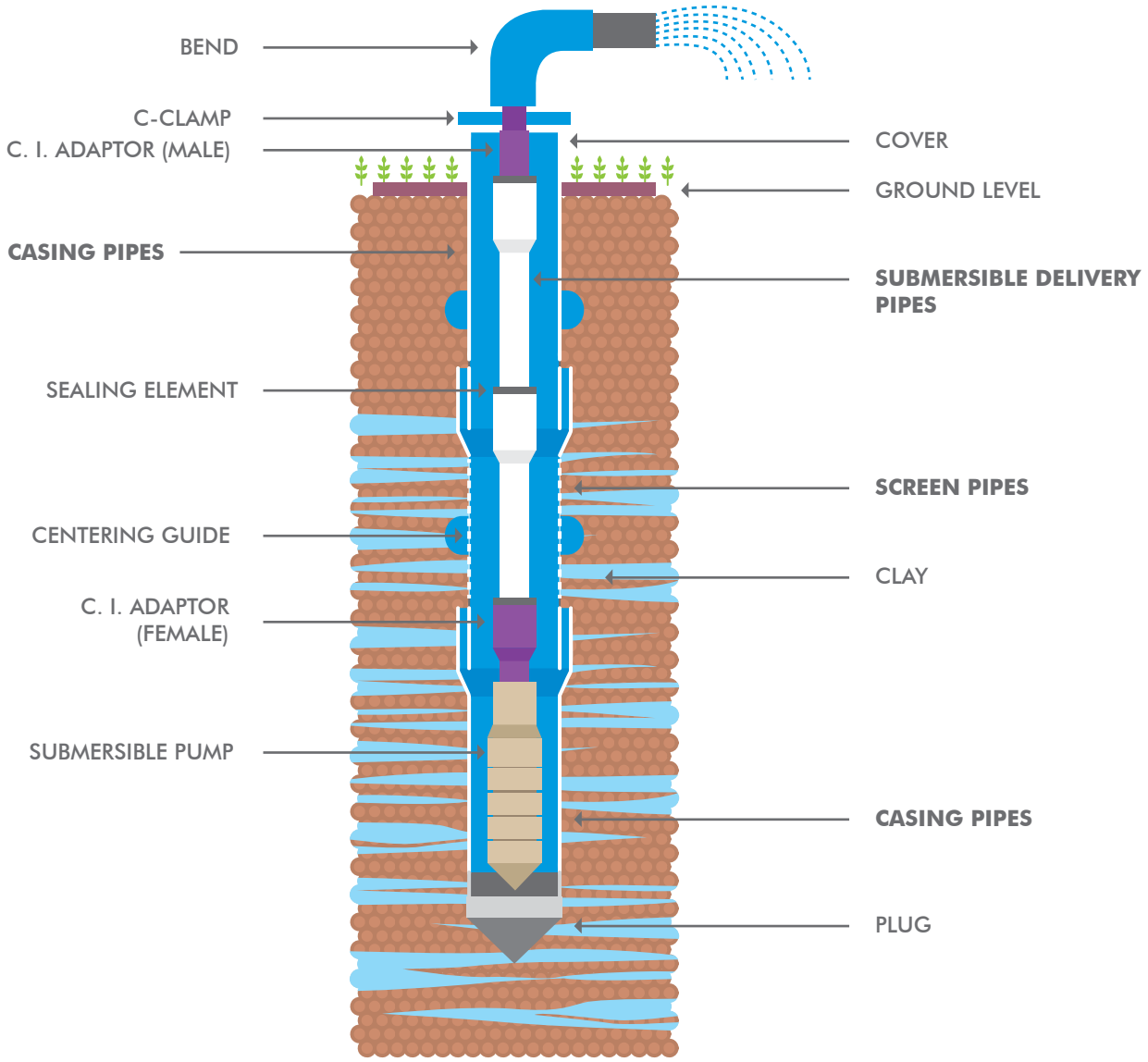
Nominal Diameter (DN)		Mean Outer Diameter of the Pipe d 'em' (mm)		Outer Diameter at any point $d_{'e'}$ (mm)		Mean Outer Diameter over Connection, ($d_{'s'}$)	Wall Thickness, 'e' (mm)	
mm	inches	Min	Max	Min	Max	Max	Min	Max
100.0	4	113.00	113.30	112.80	113.40	125.00	7.00	7.90
115.0	4½	125.00	125.30	124.90	125.40	137.00	7.50	8.50
125.0	5	140.00	140.40	139.70	140.50	152.00	8.00	9.00
150.0	6	165.00	165.40	164.60	165.60	180.00	9.50	10.70
175.0	7	200.00	200.50	199.60	200.60	217.00	11.80	13.60
200.0	8	225.00	225.50	224.50	225.80	247.00	13.00	14.80
250.0	10	280.00	280.50	279.40	280.80	304.00	16.00	17.60
300.0	12	330.00	330.60	329.30	331.00	359.00	19.00	21.00
350.0	14	400.00	400.70	399.20	401.20	433.00	21.50	23.90
400.0	16	150.00	450.80	449.10	451.30	490.00	23.50	26.10

SAFEFIT®
Borewell Systems

Specification of Safefit Submersible Delivery Pipes / Rising Main Pipes

Product OD - Outside Dia. ND - Nominal Dia. in mm			Pressure Kg/cm²	Safe total Pump Delivery Head (m)	Ultimate Breaking Load (Kg)	Safe Pulling Load (Kg)	Screen Colour	Pump's	STD Packing
Size in mm	Type	Category							
25 (1″) OD-33.30 ND-25.00	Coupler	V4	12.5	125	850	500	Orange	V-3 & V-4	28
		V4	17	170	950	600	Purple	V-3 & V-4	
		Medium	22	220	1250	750	Green	V-4 & V-6	
		Std	30	300	1380	820	Red	V-4 & V-6	
		Std	38	380	1750	1100	Red	V-4 & V-6	
		Strong	8	80	550	320	Black	V-3 & V-4	
	Bell Form Coupler	V4	12.5	125	850	500	Orange	V-3 & V-4	28
		V4	17	170	950	600	Purple	V-3 & V-4	
		Strong	8	80	550	320	Black	V-3 & V-4	
32 (1¼″) OD-42.10 ND-32.00	Coupler	V4	12.5	125	1350	800	Orange	V- 3 & V-4	20
		V4	17	170	1500	900	Purple	V- 3 & V-4	
		Medium	21	210	1725	1000	Green	V-4 & V-6	
		Std	30	300	2350	1400	Red	V-4 & V-6	
		Heavy	39	390	2900	1750	Blue	V-4 & V-6	
		Heavy +	48	480	3550	2130	Black	V-4 & V-6	
	Bell Form Coupler	V4	12.5	125	1350	800	Orange	V-4 & V-6	20
		V4	17	170	1500	900	Purple	V-3 & V-4	
		Std	30	300	2350	1400	Red	V-3 & V-4	
40 (1½″) OD-48.20 ND-40.00	Coupler	V4	16	160	1850	1100	Purple	V-4 & V-6	16
		Medium	22	220	2400	1450	Green	V-4 & V-6	
		Std	26	260	2750	1650	Red	V-4 & V-6	
		Heavy	39	390	3700	2250	Blue	V-4 & V-6	
		Heavy +	48	480	3550	2130	Black	V-4 & V-6	
	Bell Form Coupler	V4	17	170	1965	1180	Purple	V-4 & V-6	
50 (2″) OD-60.20 ND-50.00	Coupler	Medium	10	100	1750	1050	Green	V-4 & V-6	12
		Medium	14	140	2450	1450	Green	V-4 & V-6	
		Std	20	200	3500	2100	Red	V-4 & V-6	
		Heavy	27	270	4600	2800	Blue	V-4 & V-6	
		Heavy +	36	360	5700	3420	Black	V-4 & V-6	
65 (2½″) OD-75.00 ND-65.00	Coupler	Medium	11	110	3100	1800	Green	V-6 & V-8	8
		Std	16	160	4500	2700	Red	V-6 & V-8	
		Heavy	26	260	6450	3900	Blue	V-6 & V-8	
80 (3″) OD-88.00 ND-80.00	Coupler	Medium	11	110	4100	2450	Green	V-6 & V-8	6
		Std	17	170	6400	3800	Red	V-6 & V-8	
		Heavy	26	260	8900	5300	Blue	V-6 & V-8	
100 (4″) OD-113.00 ND-100.00	Coupler	Medium	10	100	6500	3900	Green	V-6 & V-8	4
		Std	15	150	9250	5550	Red	V-6 & V-8	
		Heavy	26	260	14450	8700	Blue	V-6 & V-8	

Typical layout of Borewell



Screen Pipes

Casing Pipes

Submersible Delivery Pipes

Bell Form Coupler

AGRICULTURE & BOREWELL

PE Fit® AQUA

HDPE PIPING SYSTEMS

BRINGS WATER TO LIFE

As per
IS 4984:2016

PEFit AQUA™
HDPE PIPING SYSTEMS

Overview

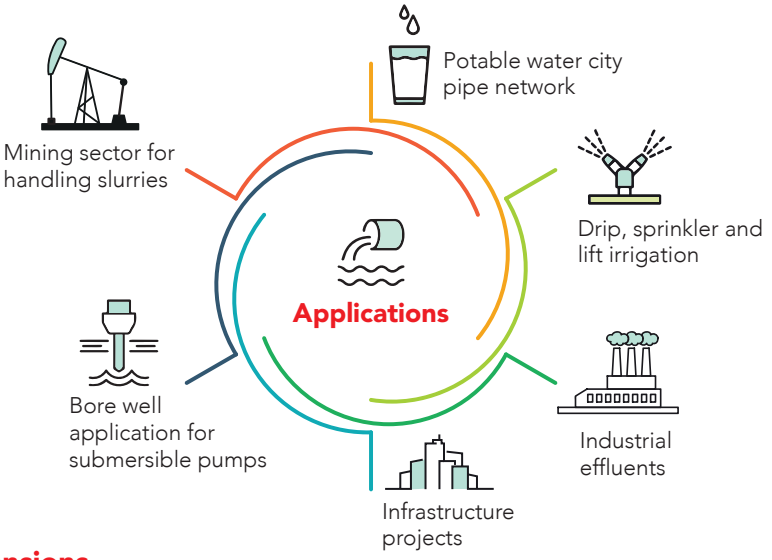
Polyethylene polymer is designed to meet the most demanding operating conditions in the process of transmission of various types of liquids. PRINCE **PEFit Aqua** is manufactured in our State of the Art Manufacturing facilities using high quality virgin raw material.

Product range

- **Pipes:** 20 to 315 mm **Length:** 6 meter & 12 meter
- **Coil:** 20 to 110 mm

Standards

Pipes & Coil				
Size (mm)	**Class**	**Standard**	**Working Pressure**	**End Connection**
Pipe: 20 to 315 **Coil:** 20 to 110	PE63, PE80, PE100	IS 4984:2016	2KG/CM2 to 20KG/CM2 SDR41 to SDR6	Butt Welding, Electro Fusion



Features and benefits

- Ease of installation and excellent weldability
- Excellent Flexibility
- Low friction coefficient & higher flow capacity
- UV Resistance
- Recyclable
- Light in weight
- Chemical and corrosion resistance*
- Resistance to ground movement and loads
- Good weather resistance
- Long Life

Dimensions

Standard dimension ratio (SDR) and corresponding wall thickness of pipes as per IS 4984:2016.

SDR	SDR 41	SDR 33	SDR 26	SDR 21	SDR 17	SDR 13.6	SDR 11	SDR 9	SDR 7.4	SDR 6
Nominal Pressure (PN)										
PE 63	PN 2	PN 2.5	PN 3.2	PN 4	PN 5	PN 6	PN 8	-	-	-
PE 80	PN 2.5	PN 3.2	PN 4	PN 5	PN 6	PN 8	PN 10	PN 12.5	PN 16	PN 20
PE 100	PN 3	PN 4	PN 5	PN 6	PN 8	PN 10	PN 12.5	PN 16	PN 20	-

Wall Thickness (mm)

Nominal OD (mm)	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
20													1.9	2.2	2.3	2.6	2.7	3.1	3.4	3.8
25											1.9	2.2	2.3	2.6	2.8	3.2	3.4	3.8	4.2	4.7
32									1.9	2.2	2.4	2.7	2.9	3.3	3.6	4.1	4.4	4.9	5.4	6.0
40							1.9	2.2	2.4	2.7	3.0	3.4	3.7	4.2	4.5	5.1	5.4	6.0	6.7	7.5
50					2.0	2.3	2.4	2.7	3.0	3.4	3.7	4.2	4.6	5.2	5.6	6.3	6.8	7.6	8.4	9.3
63					2.5	2.9	3.0	3.4	3.7	4.2	4.7	5.3	5.8	6.5	7.0	7.8	8.6	9.6	10.5	11.7
75	1.9	2.2	2.3	2.6	2.9	3.3	3.6	4.1	4.5	5.1	5.6	6.3	6.9	7.7	8.4	9.3	10.2	11.3	12.5	13.9
90	2.2	2.5	2.8	3.2	3.5	4.0	4.3	4.8	5.3	5.9	6.7	7.5	8.2	9.1	10.0	11.1	12.2	13.5	15.0	16.6
110	2.7	3.1	3.4	3.8	4.3	4.8	5.9	6.6	6.5	7.3	8.1	9.0	10.0	11.1	12.3	13.6	14.9	16.5	18.4	20.3
125	3.1	3.5	3.8	4.3	4.8	5.4	6.0	6.7	7.4	8.2	9.2	10.2	11.4	12.7	13.9	15.4	16.9	18.7	20.9	23.1
140	3.5	4.0	4.3	4.8	5.4	6.0	6.7	7.5	8.3	9.2	10.3	11.4	12.8	14.2	15.6	17.3	19.0	21.0	23.4	25.8
160	3.9	4.4	4.9	5.5	6.2	6.9	7.7	8.6	9.5	10.6	11.8	13.1	14.6	16.2	17.8	19.7	21.7	24.0	26.7	29.5
180	4.4	4.9	5.5	6.2	7.0	7.8	8.6	9.6	10.6	11.8	13.3	14.7	16.4	18.1	20.0	22.1	24.4	26.9	30.0	33.1
200	4.9	5.5	6.1	6.8	7.7	8.6	9.6	10.7	11.8	13.1	14.7	16.3	18.2	20.1	22.3	24.6	27.1	29.9	33.4	36.8
225	5.5	6.2	6.9	7.7	8.7	9.7	10.8	12.0	13.3	14.7	16.6	18.4	20.5	22.7	25.0	27.6	30.5	33.7	37.5	41.4
250	6.1	6.8	7.6	8.5	9.7	10.8	12.0	13.3	14.7	16.3	18.4	20.3	22.8	25.2	27.8	30.7	33.8	37.3	41.7	46.0
280	6.9	7.7	8.5	9.5	10.8	12.0	13.4	14.8	16.5	18.3	20.6	22.8	25.5	28.2	31.2	34.4	37.9	41.8	46.7	51.5
315	7.7	8.6	9.6	10.7	12.2	13.5	15.0	16.6	18.6	20.6	23.2	25.6	28.7	31.7	35.0	38.6	42.6	47.0	52.5	57.9

STOREFIT®
Paani Ka Bank

THE QUALITY YOU LOVE IN PRINCE PIPES, NOW IN A WATER TANK!

LEAD FREE

Upto 10% EXTRA* STORAGE CAPACITY

WARRANTY 10 YEARS WARRANTY

As per IS 12701:1996 #

CM/L- 7700161513

*T & C Apply

Overview

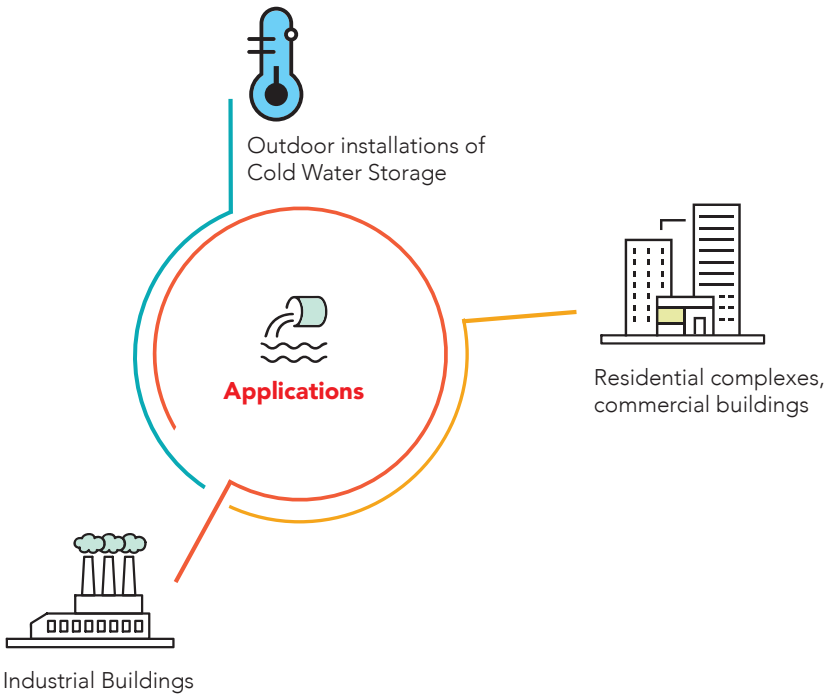
Prince Pipes brings its mastery of PVC to a new segment with the launch of Prince Storefit Water Tanks, a range of overhead water storage solutions. Manufactured using the advanced roto-moulding process, these tanks are designed for extensive use in homes, offices, factories and hospitals, where large volumes of hygienic water storage are essential. The tanks are available in 3-layer and 4-layer constructions and come in three variants: Storefit 3 Layer, Hydra 4 Layer, Storefit Cool (with insulation) Storefit – Paani Ka Bank is engineered for durability, safety, and long-lasting performance, and is backed by a 10-year warranty*.

Product range

- **Tanks:** 300 to 10,000 Litres

Standards

Tanks			
Size (Capacity in Litres)	**Standard**	**Storefit Variants**	**Compatible Products**
300, 500, 750, 1000, 1500, 2000, 3000, 5000 & 10,000	IS 12701:1996*	3 layer Hydra 4 layer Cool 4 layers	• Smartfit Plus CPVC, Easyfit UPVC & Greenfit PPR Pipes & Fittings • Ball Valves • Solvents



Features and benefits

- **UV Stabilization:** UV stabilized material prevents degradation and ensures no environmental stress, cracking, chalking or loss in the physical properties of the tank.
- **Food Grade:** Safe for drinking
- **Built Stronger:** Extra ribs for enhanced durability. Reduced bulging with full tank. Minimized chances of bursting under pressure.
- **Easy Installation:** Provision of multiple plumbing inlets and outlets for the ease of connection.
- **Threaded Lid**: Enhances the life of cover. Keeps water free from dust and flies.
- **Air Ventilator**: Built-in ventilator allows water to breathe (to natural oxygen level) and stay fresh. They also help to avoid deformations.
- **UV Protection Cover**: Additional black cover below the lid to prevent entering of UV rays from the top opening of tank.
- **Antimicrobial**: Inner layer added with silver based antimicrobial agent which prevents bacterial growth and keeps water fresh.

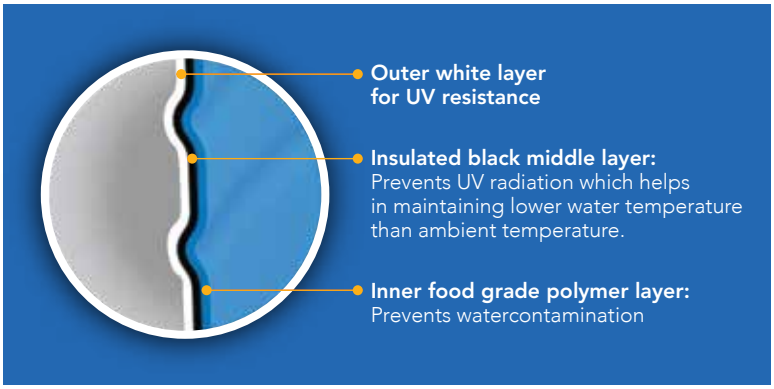
Dimensions

Storefit water tanks come in a wide range of sizes to cater to your specific needs.

Size (Capacity in Litres)	Diameter	Height	Lid
	(inches)	(inches)	(inches)
300	30	33	14
500	35	40	18
750	40	44	18
1000	42	52	18
1500	49	58	18
2000	54	62	18
3000	63	69	18
5000	75	81	18
10000	86	122	18

Note: Upto 10,000 litres available only at Dadra Plant
#ISI approval tanks are available at Dadra plant upto 3000 litres (two layer)

Designed With 3-layer Insulation



SUB-SURFACE DRAINAGE

TERRAFIT®

Perforated Corrugated Pipes for Sub-Surface Drainage

Pipes as per
IS: 9271

TERRAFIT®

Perforated Corrugated Pipes for Sub-Surface Drainage

Overview

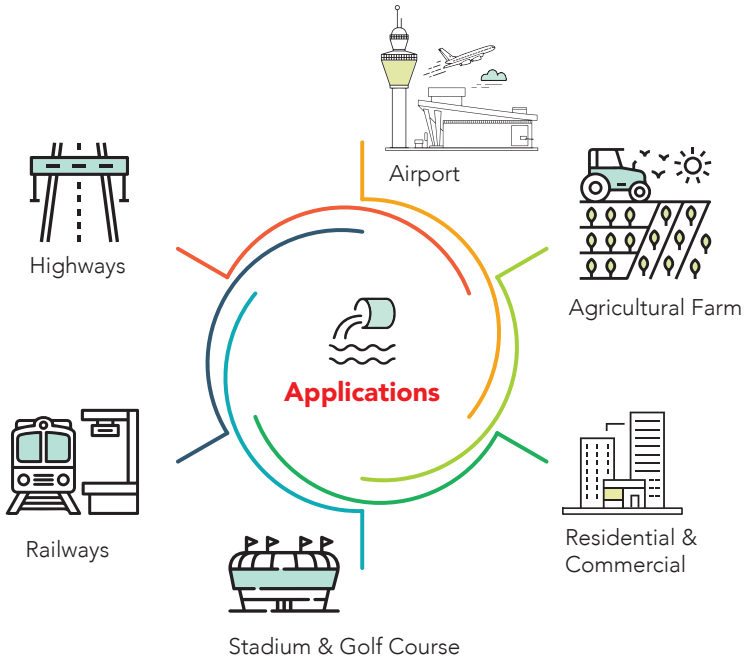
Prince Terrafit are perforated corrugated pipes manufactured according to IS 9271, designed for efficient subsurface drainage. Overcoming challenges like impermeable soils, shallow bedrock, and dense glacial till, our solution ensures rapid water percolation. Ideal for maintaining stability in agriculture, roads, and building sites. Prince Terrafit's advanced technology optimizes water management, enhancing overall productivity. Prince Terrafit corrugated pipes have a crest and valley design which serves as an efficient entry point for gathering excess water from various sources, including rainfall, irrigation, or high groundwater levels. The valley portion of the pipes is equipped with slit perforations, complemented by a synthetic non-woven fabric with a weight of 250 gsm that wraps around the pipe periphery, effectively filtering the water.

Product range

- **Pipes & Fittings:** 80 & 100 mm

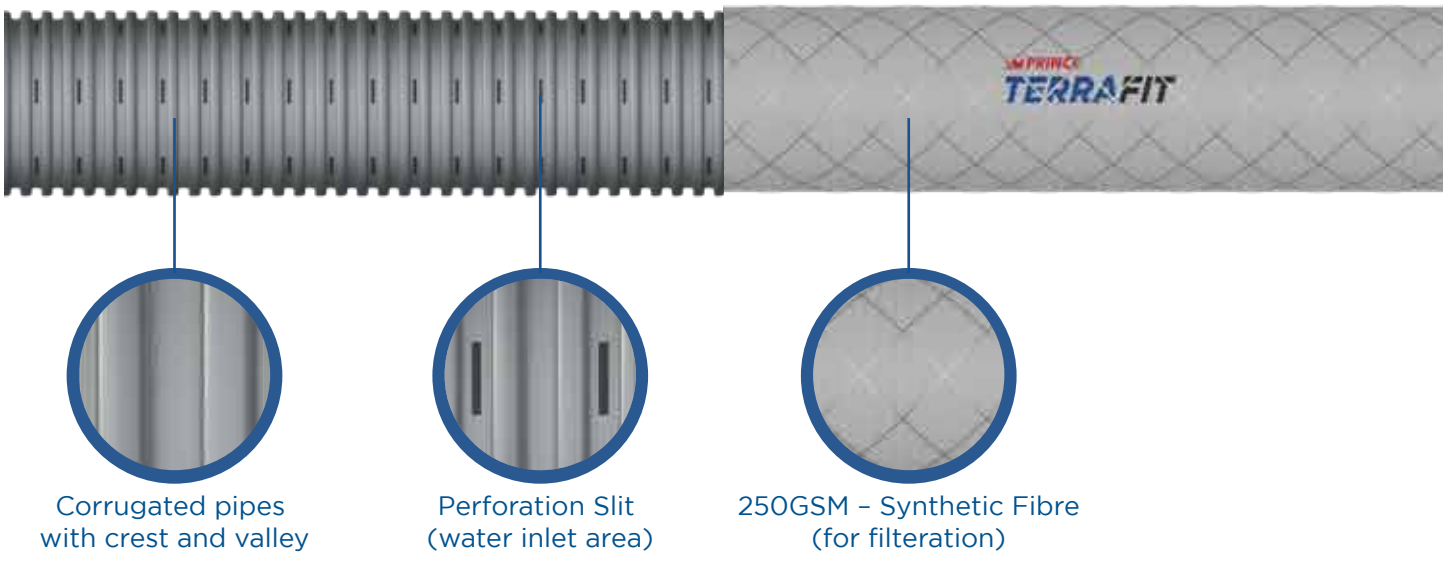
Standards

Pipes					Fittings
Size (mm)	Inner Diameter (mm)	Standard	Water Inlet Areas (Sq.cm/mtr)	Available in Coil Form (in Length) (mtr)	Avalable in All Sizes
80	72	IS 9271	18 - 80	100	End Cap, Tee, Collar, Y, Bend
100	88		21 - 80	50	



Features and benefits

- Flexible and robust, withstands earth load.
- Coiled form for automated laying and lesser joints
- Geo-textile filter prevents choking.
- Maintains water table, enhances soil aeration.
- Prevents waterlogging.
- Ample water inlet area.
- High-quality joints.
- Mitigates salinity, boosts soil health, and crop yield.
- Resists abrasion, corrosion, and chemical scouring.



Corrugated pipes with crest and valley

Perforation Slit (water inlet area)

250GSM – Synthetic Fibre (for filteration)

Growing Distribution Network

All Product Booklet/PPF/EL/Rev. No. 18/ March 2026
Printed in March 2026

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Please Call between 10 am to 6 pm

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