



# GREENFIT®

PP-R Plumbing Systems

## SUPERIOR PERFORMANCE IN EXTREME TEMPERATURES



CERTIFICATION MARK



20 to 160  
Pipes as per  
IS 15801



180 to 315  
Pipes as per  
DIN 8077/8078

Fittings as per  
DIN 16962



Used in  
manufacturing of the  
pipes & fittings



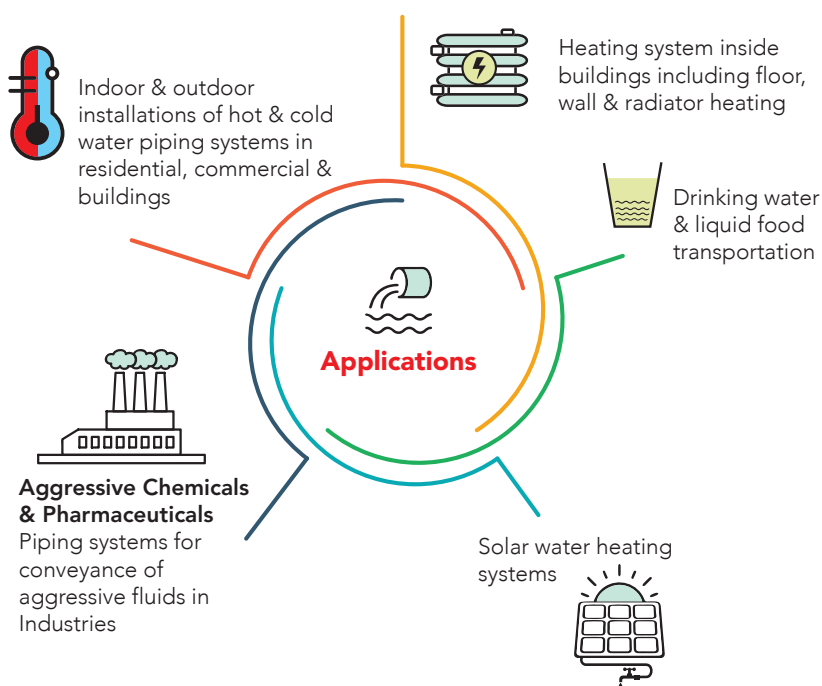
## Product range

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

## Standards

Pipes				
Size (mm)	Working Pressure (Kg/cm <sup>2</sup> )	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/cm <sup>2</sup> )	Standard	Colour	End Connection
20 to 160	20 & 25	DIN:16962	Green	<ul style="list-style-type: none"> <li>• Socket ends suitable for fusion welding.</li> <li>• For transition joints, fittings with threaded metal inserts</li> </ul>



## 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
	<b>SDR 11 (PN 10)</b>	(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
<b>SDR 7.4 (PN 16)</b>	(mm)	2.80	3.50	4.40	5.50	6.90	8.60	10.30	12.30	15.10	21.90	-	-	-	-	-	-
<b>SDR 6 (PN 20)</b>	(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**



Pipes as per  
IS 15801



Fittings as per  
DIN 16962

## 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.

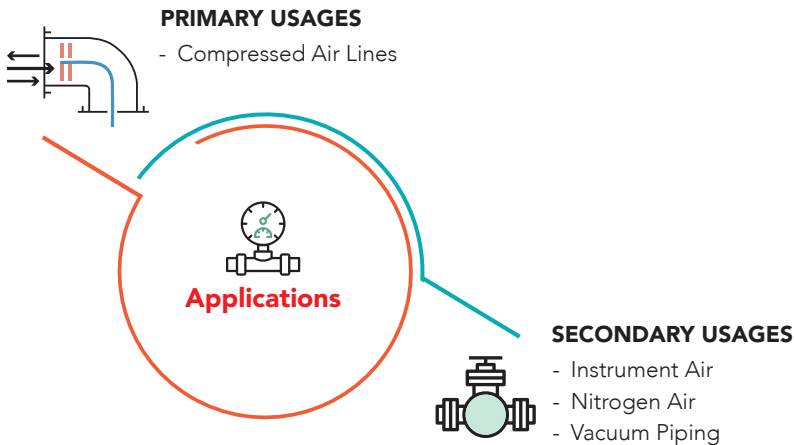
## Product range

- **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/cm <sup>2</sup> )	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/cm <sup>2</sup> )	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	-	-	-	-	-	-