# RADIATECH PIPE & FITTINGS

*We offer a complete range of PPR and PPRC Fibertherm pipes and fittings.*

RECH

INDUSTRIAL & DOMESTIC
PIPING SOLUTION

## COMPANY PROFILE

The driving force behind Radiatech Pipe and Fittings' success is the unwavering pursuit of perfection. As one of the most reputable suppliers of PPR-C pipes and fittings, Radiatech is committed to enhancing sustainability within the pipe and fittings industry—an essential factor for ensuring both quality and safety.

With over five years of industry experience, Radiatech offers a comprehensive range of PPR-C pipes in sizes from 16 mm to 315 mm and pressure ratings from PN 6 to PN 20. All fittings fully comply with DIN 16962 standards, ensuring durability and reliability.

Radiatech's PPR-C pipes and fittings are an excellent alternative to conventional piping systems and are ideal for applications including hot and cold water distribution, compressed air systems, chemical supply lines, and clean water networks.

## PROPERTIES

* Resistance to high temperature (95°C). • No Reaction with salts & Acids. Extremely long life, 50 years of service life. • Good chemical resistance. Physically neutral. • Leak proof & frost proof.
* Smooth inner surface.
* Very Low Frictional Factor (1.5. Ft/ 100 Ft)
* Low laying time & cost.
* Sound insulation.

## UV Stabilized PPR-C Top layer:

Numerous chemical characteristics found in UV stabilizers provide protection from UV radiation through a variety of chemical processes.

2. Although colors like black and green are already quite resistant to UV radiation, adding UV stabilizers makes the light even better.
3. The product's thermal stability.
4. UV stabilizers extend the product's life and provide long-term durability.

## Anti-microbial PPR-C Inner Layer

the anti-microbial layer stops bacteria, algae, microorganisms, etc. from growing within the pipe, it may be used for any application involving clean water or liquid food supply.

## Fields of Application

* Hot/Cold Water Supply
* Chemical Plants
* Cooling Towers & Condensor Lines
* Chilled Water Supply
* Pharmaceutical Industries (USDA Approved)
* Effluent/ Water/Sewage Treatment Plants
* RO Drinking Water Plant
* Solar Water Heater
* Fire Application

## HOT & COLD WATER SUPPLY :

- CHILLING PLANTS
- PROCESS COOLING LINES
- COOLING TOWERS
- CONDENSOR UNITS
- DATA CENTER COOLING SYSTEM

## CLEAN WATER SUPPLY :

- DRINKING WATER
- PLUMBING APPLICATION
- DM WATER
- SOLAR WATER HEATER
- LIQUID FOOD SUPPLY

## CHEMICAL SUPPLY:

- CHEMICAL PLANTS
- EFFLUENT TREATMENT PLANTS
- SEWAGE TREATMENT PLANTS
- WATER TREATMENT PLANTS

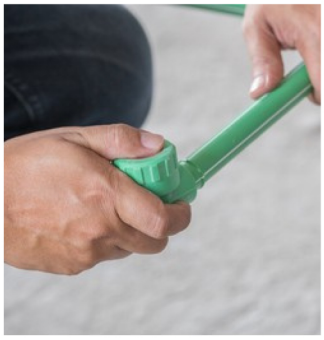
## AIR APPLICATIONS:

- COMPRESSED AIR
- NITROGEN AIR
- OXYGEN AIR
- VACUUM LINE

PPR-C pipes and fittings are easy to join, and the end result is an inseparable watertight union. In order to fuse the material of the pipe and the fitting together, a basic welding machine is used to fuse the fitting's internal surface with the pipe's exterior surface.

STEP 1

STEP 2



STEP 3

## The steps involved in the welding process are described below :

Fit the welding dies of the desired diameters into the welding machine to get it ready. After inserting the plug into the 220V power supply socket, watch for the machine's green light to go out, signifying that the welding machine has reached operating temperature.

1. Using an appropriate pipe cutter, cut the pipe at a right angle to its axis.
2. Deburr the cutting area to get rid of burrs and cutting chips.
3. Using the appropriate marker, indicate the pipe's welding depth.
4. To reach the designated welding depth, insert the pipe end without turning into the heating sleeve.
5. At the same time, slide the fitting up to the stop without turning into the opposite side of the heating tool. Observing the specified heating times is crucial (see the table below).
6. Til the allotted heating time has passed, leave the pipe and fitting in the heating tool.
7. After the heating period is over, take the pipe and fitting out of the heating tool and press them up against one another right away until the welding depth mark is reached.
8. At this point, the welding bead will cover the depth mark.
9. Avoid rotating the pipe and fitting in relation to one another during this procedure. Before using, let the joint cool completely.

## Our Major Client

## Expected Lifespan Of PPR Pipes

Radiatech Electra is a leading provider of comprehensive industrial solutions, specializing in Industrial Piping, Industrial Lighting, Industrial Tanks, Welding Electrodes, Clean Room Facilities, and Complete HVAC Piping Systems.

## Expected Lifespan of PPR Pipes

- Cold Water Applications → Lifespan 50+ years
- Hot Water Applications → Lifespan 30–50 years
- Industrial Use → Lifespan 25–40 years

## Key Factors Affecting PPR Pipe Longevity

(A) Temperature Resistance

(B) Pressure Resistance

(C) Corrosion and Chemical Resistance

(D) Water Quality and Scaling

(E) Installation and Maintenance


radiatechelectra@gmail.com

+91 9457893678

sales@radiatech.in

Office :

A 287, Basement, Sector - 69,
Transport Nagar, Noida,
Uttar Pradesh -201301