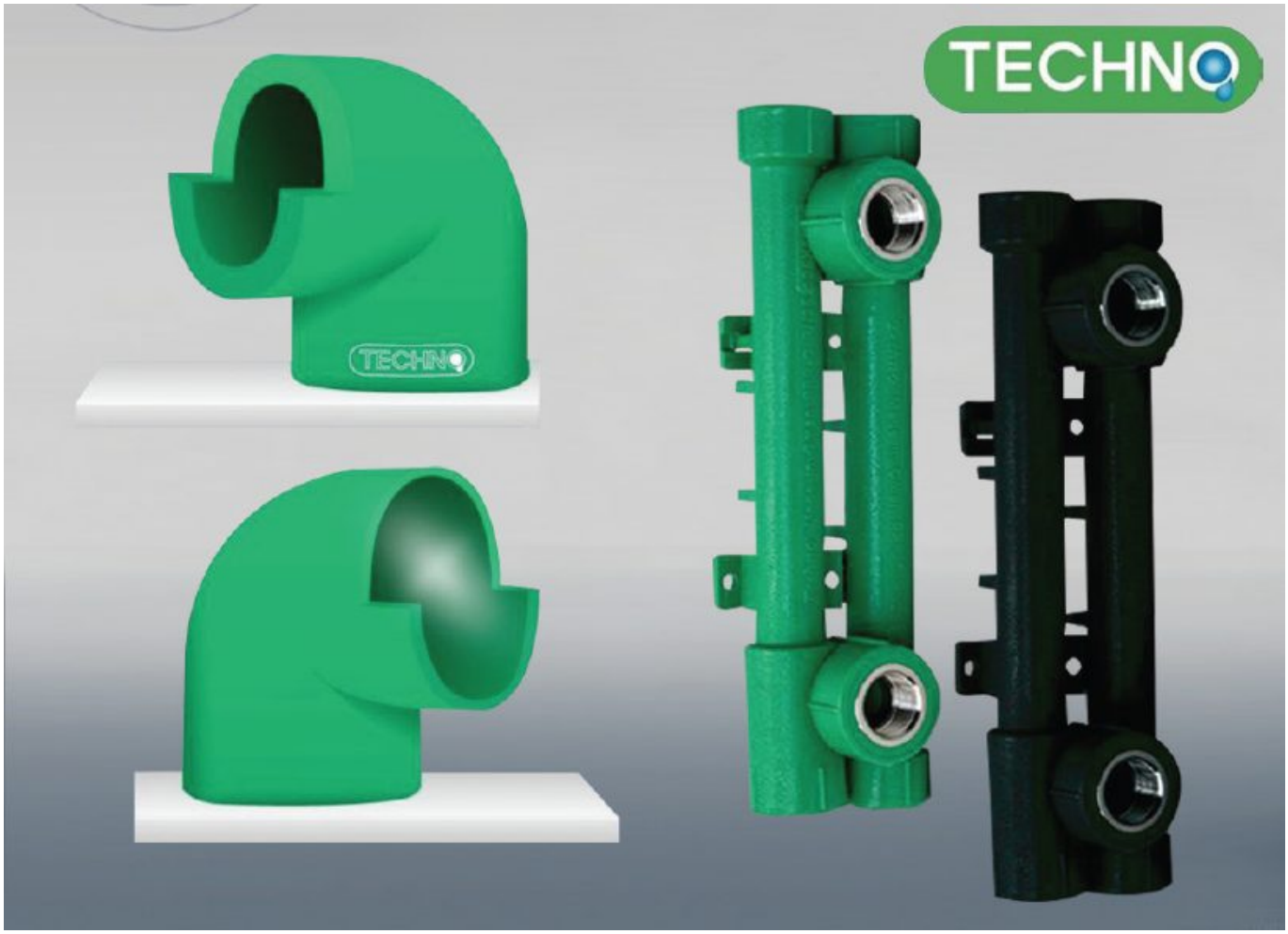
Significance of High quality, Health safety, Durable and Environmentally friendly Piping Solutions



Techno, a certified brand with ISO 9001:2015 for safe drinking water and chemical transmission piping solutions, proudly celebrates 25 years of excellence in PPR pipes and fittings. With prestigious German (SKZ and DVGW) and British (WRAS) certifications, our products are now readily available in Sri Lanka. The evolution of piping systems has brought forth a diverse range of materials, each tailored for

specific applications. Among these, PPR (Polypropylene Random Copolymer) piping stands out as one of the most sought-after choices for both residential and commercial needs. PPR is a robust thermoplastic polymer renowned for its extensive benefits, including exceptional chemical resistance, remarkable durability, and effortless installation. PPR piping systems are increasingly favored in the plumbing and construction industries due to their numerous advantages over conventional materials like metal and PVC pipes. Engineered for success, PPR pipes are crafted from specially designed polypropylene random copolymer, delivering unmatched resistance to heat, chemicals, and physical stress. Unlike traditional metal systems, PPR pipes are corrosion-resistant and maintain their integrity over time. Available in various sizes, they are suitable for a wide range of applications, from residential water supply systems to industrial fluid transport. Choose PPR piping for a reliable and innovative solution to your piping needs.

Sri Lanka’s expanding infrastructure demands high-quality residential, commercial, and industrial growth that is driving an impressive surge in the need for efficient piping systems. The increasing preference for PPR pipes over traditional materials such as PVC and metal is a clear testament to their superior durability, excellent thermal insulation, and robust corrosion resistance. This makes PPR piping the optimal choice for both hot and cold-water systems essential for the country’s infrastructure development.

In Sri Lanka’s coastal areas, the threat of pipe corrosion due to saline conditions poses significant challenges, leading to the rapid deterioration of conventional metal pipes. PPR piping systems stand out as a reliable solution, showcasing exceptional resistance to corrosion, making them indispensable for both residential and industrial water supply in these vulnerable regions.

Furthermore, Sri Lanka’s tropical climate, characterized by high temperatures and humidity, necessitates resilient materials. PPR pipes excel in this regard, effortlessly withstanding temperature fluctuations and humid conditions, proving to be the ideal choice for the nation. As Sri Lanka prioritizes access to clean drinking water, PPR pipes emerge as the perfect solution for potable water systems. Their non-toxic, food-grade properties ensure the prevention of chemical leaching and bacterial growth, guaranteeing clean and safe water for all. With their durability, low-maintenance requirements, and cost-effectiveness, PPR pipes align seamlessly with Sri Lanka’s budget-friendly infrastructure ambitions. Moreover, PPR pipes significantly support Sri Lanka’s sustainable development goals through their impressive lifespan, recyclability, and minimized environmental impact. Embracing

PPR piping systems not only addresses immediate infrastructure needs but also champions a more sustainable future for the country.

Key sectors in Sri Lanka where PPR piping solutions can be effectively utilized for efficient and durable plumbing systems include:

Construction and Infrastructure: PPR pipes dominate the residential, commercial, and industrial building sectors for hot and cold-water systems, thanks to their unparalleled durability, corrosion resistance, and excellent temperature tolerance.

Plumbing and HVAC: These pipes are the ideal choice for heating, ventilation, and air conditioning (HVAC) systems, ensuring a reliable water supply and efficient drainage solutions.

Agriculture: PPR pipes are essential in modern irrigation systems, offering impressive chemical resistance and the capability to withstand high pressures.

Healthcare and Food Processing: The non-toxic and hygienic nature of PPR pipes makes them indispensable for transporting potable water and fluids in critical industries like healthcare and food processing.

Renewable Energy: PPR pipes are increasingly being adopted in solar panel heating systems and geothermal energy applications, thanks to their exceptional thermal resistance. The rising demand for sustainable and cost-effective plumbing solutions is propelling the extensive use of PPR piping solutions, with a strong emphasis on eco-friendly materials and advanced manufacturing techniques.