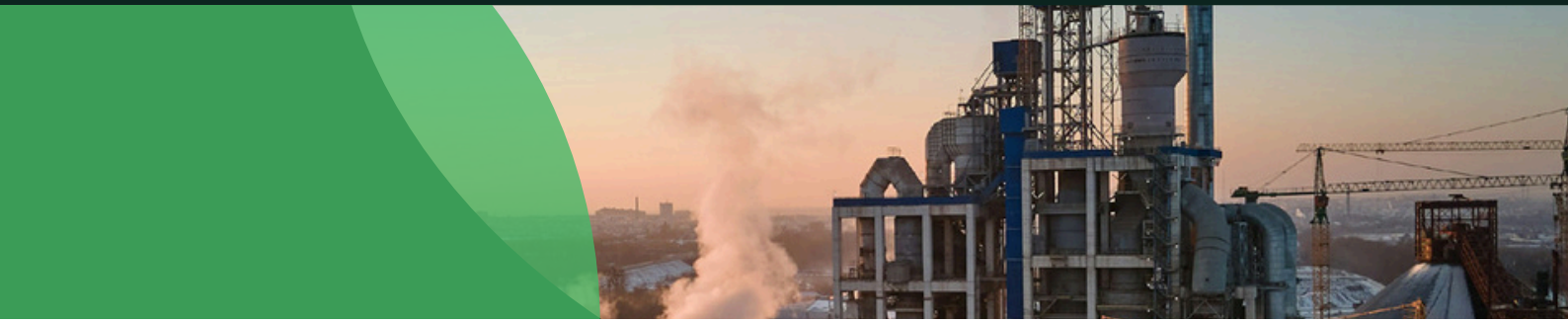


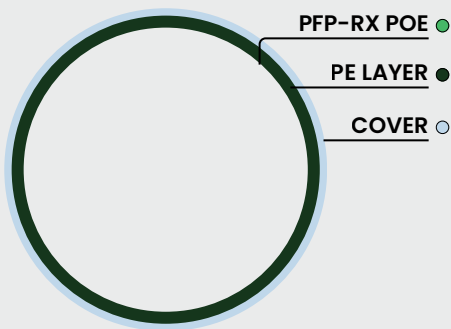
PFP-RX Wear Resistant Piping

Complete Pipeline Solutions
for Every Slurry Application



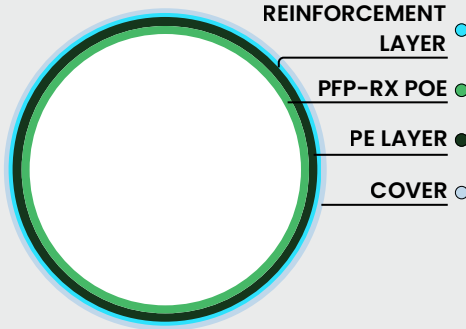
At PFP (Aust), we're dedicated to delivering end-to-end solutions for every slurry pipeline challenge. Our systems are engineered to perform under the toughest conditions, offering unmatched flexibility in materials, installation methods, and wear resistance to suit any site or specification.

With this commitment in mind, we developed the PFP-RX POE Lined Range – a comprehensive family of abrasion-resistant piping systems designed to meet every pressure class and performance demand.



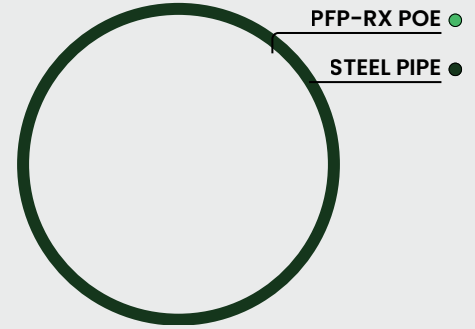
CO-EXTRUDED WEAR RESISTANT PE

Size Range: DN90 - DN630
Pressure: Range: 0.8 - 1.6 MPA
Lengths: 12-500m



PFP-RX Reinforced Pipe

Size Range: DN50 - DN900
Pressure: Range: 1.6 - 32 MPA
Lengths: 12-500m



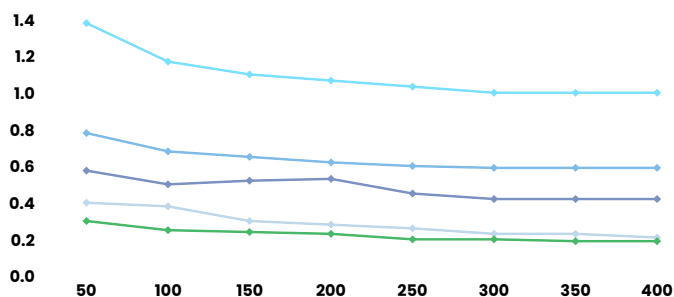
WEAR RESISTANT PFP-RX POE LINED STEEL

Size Range: DN50 - DN1200
Pressure: Range: 1.6 - 32 MPA
Lengths: 12-18m

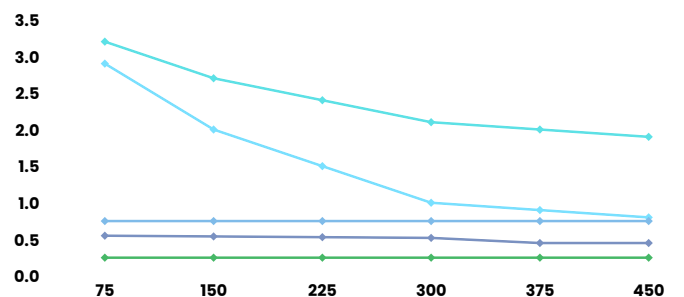
Together, these solutions provide a complete, field-proven range of pipeline systems engineered for the efficient transport of liquids, slurries, and abrasive media. The PFP-RX range delivers **longer service life, lower maintenance costs, and superior wear performance** compared to conventional slurry pipelines – ensuring maximum uptime, reduced total cost of ownership, and reliable flow, year after year.

Engineered Durability & Proven Performance

Ring Rope Abrasion Test – Coarse Iron Tailings Slurry



Ring Rope Abrasion Test – Coarse Iron Concentrate Slurry



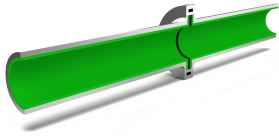
◆ PFP-RX POE ◆ X65 ◆ HDPE ◆ UHMWPE ◆ PU ◆ RUBBER

PFP-RX Wear Resistant Piping

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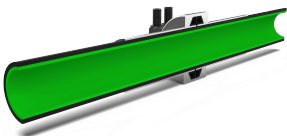


Connections & Product Features



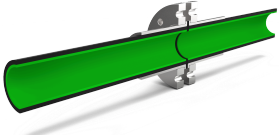
Welded Connection

Welded joint connections are available for both RTP and lined steel systems. RTP can be supplied with pre-welded couplings for fast, simple on-site crimping, while lined steel features a pre-manufactured hub that protects the liner from heat and prevents steel contact with the process media.



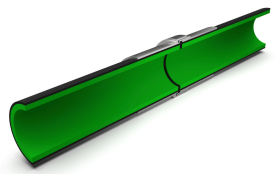
Coupling Connection

Clamp connectors provide a fast, reliable alternative to traditional welded or flanged joints. Designed for quick assembly and disassembly, they significantly reduce installation time, minimise hot work on site, and simplify maintenance.



Flanged Connection

Flanged connections provide a proven, robust jointing method for piping systems across a wide range of industries. They offer reliable sealing, easy alignment, and straightforward installation using standard tools and procedures.



Threaded Connection

Threaded connections offer a simple, versatile, and leak-resistant solution for piping systems. They enable quick assembly without special tools, are ideal for smaller-diameter pipes, and allow easy disconnection for maintenance or modifications—helping save time and reduce installation costs.

Wear Resistance

PFP-RX POE delivers superior wear resistance, significantly outperforming steel, UHMWPE, and HDPE pipes in abrasive slurry and high-velocity transport applications.

Hydraulic Properties

Featuring an exceptionally smooth inner surface ($\epsilon = 0.0015\text{--}0.015\text{ mm}$ vs 0.19 mm for steel), the pipe minimises friction and scaling, boosting flow efficiency by 20–30% compared to steel pipelines while reducing energy consumption.

Product Stability

Backed by extensive R&D and over 15,000 km of manufacturing experience, our high-pressure RTP is engineered under strict standards to ensure consistent quality, reliability, and performance, fully meeting international specifications and client requirements.

Spoolable & Fast Construction

Flexible and spoolable up to DN225, the pipe can be supplied in continuous lengths of 150–2,000 m, reducing joints by over 95%. Fixed-length options (6–22 m) cut joints by 60% and double installation efficiency.

Pressure Resistance

Manufactured using cross-wrapped high-strength continuous fibre or steel cord prepreg tape, the layers form an integrated structure capable of withstanding internal pressures up to 32 MPa.

Corrosion Resistance

Constructed from advanced polymer composites, the pipe resists a wide range of corrosive media, extending service life by more than 10 years. Non-metallic sleeve joints eliminate the corrosion issues commonly found with metal fittings.