

PROFUSE® PEELABLE PIPE

Maximum jointing integrity for asset longevity and installation cost savings.

ProFuse® is a technologically advanced peelable pipe innovation for the transportation of natural and suitable manufactured gases in buried pipeline applications, offering a high performance solution with optimum joint integrity, damage protection and reduced installation time and costs to asset owners.

Manufactured from black PE100, ProFuse® has been designed with a unique polypropylene peelable skin, which is applied to the core pipe during the manufacturing process using melt on melt technology. The skin is tough and offers excellent abrasion resistance to protect the pipe during handling, transportation and installation. It is easily removed, using the pipe exposure tool (PET™), revealing a pristine pipe surface, ready to be joined using electrofusion or butt-fusion welding techniques.

Ideal for open cut, dead or live insertion, horizontal directional drilling and pipe bursting installation techniques, ProFuse® is a superior pipe solution, especially suited to no-dig installation techniques, as its tough protective skin absorbs damage normally associated with those installation methods.

Designed for maximum jointing integrity, ProFuse® is the perfect solution for reduced installation costs, optimum joint quality, system reliability and confidence in the longevity of your pipeline.



Features and Benefits

- **Unique external skin**
Specifically developed with an external skin to minimise damage to the core pipe. The tough polypropylene skin offers excellent abrasion resistance to protect the pipe during handling, storage, transportation and installation.
- **Installation damage protection**
Ideally suited for trenchless installation techniques such as pipe insertion, pipe bursting and horizontal directional drilling.
- **Optimum joint integrity**
The ProFuse® peelable skin is removed locally with the PET tool, revealing a pipe surface in pristine condition, ready for jointing.
- **Reduced installation time**
The peelable skin is easily removed, reducing pipe surface preparation time for electrofusion jointing compared to conventional PE pipe.

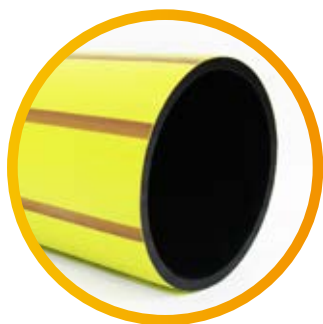


Approvals

- GIS/PL2-2 (KM 513530)
- BS EN 1555-2 (KM 575728)



Product Range



ProFuse® pipe

Nominal diameter	SDR	Product code straight pipe		Weight
		6m	12m	
mm				kg/m
180	17.6	-	FE0562	6.5
250	17.6	-	FE0796	12.3
315	17.6	-	FE1015	19.1
400	17.6	-	FE1134	30.4
250	21	FE0802	FE0805	10.6
280	21	FE0910	FE0912	13.1
315	21	FE1020	FE1023	16.4
355	21	FE1079	FE1082	20.6
400	21	FE1140	FE1143	25.9
450	21	FE1251	FE1253	32.4
500	21	FE1359	FE1361	39.9
630	21	FE1471	FE1473	62.6

Note:

- Pipe weights shown are for lifting and handling purposes. They are based on the gas industry specification's maximum pipe diameter and wall thickness.
- For special projects requiring bespoke pipe diameters, SDRs and lengths, please contact Radius Systems.
- For guidance on maximum operating pressures, please contact Radius Systems.

The ProFuse® Pipe Exposure Tool (PET)

The only tool recommended for the quick, simple and safe removal of the ProFuse® skin. The hardened steel blade cuts the ProFuse® skin and lifts its edge to allow easy peeling from the pipe core.

- **Single size tool** for all sizes of ProFuse pipe
- **Spring-loaded blade** to minimise damage to the tip of the blade
- **Direction marking** for clear and simple operation
- **Plastic body** lightweight and durable
- **Sculpted runners** for blade protection and precise one handed control

