

ProFuse® peelable pipe

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 offers excellent abrasion resistance and protects the pipe during handling, transportation, installation and reinstatement and is easily removed, using the pipe exposure tool (PET), revealing a pristine pipe surface, ready to be jointed 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 system lifetime costs and optimum installation quality and system reliability.

Approvals

- GIS PL2-2 for pipe SDR21, diameters 250 to 630 mm (KM 513530)
- EN 1555-2 for pipe SDR21, diameters 250 to 630 mm (KM 575728)



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



'The ProFuse® skin is easily removed using the pipe exposure tool (PET)'



'The skin is peeled to reveal a pristine pipe surface ready to be fused'

ProFuse® pipe range

Nominal diameter mm	SDR	Product code - straight pipe		Weight kg/m
		6 m	12 m	
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	32.6
500	21	FE1359	FE1361	40.0
630	21	FE1471	FE1473	62.6

Pipe weights shown are for lifting and handling purposes; they are based on the maximum pipe diameter and wall thickness. For special projects requiring bespoke pipe diameters, SDRs and lengths, please contact Radius Systems.

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 it to be easily peeled from the pipe core.



Description	Product code
PET tool	FT0648

- **One 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