

# BURSTPACK™

*A proven method of permanently sealing dead annular space between Tier 1 metallic pipe and inserted PE.*

BURSTPACK is a proven method of permanently sealing dead annular space between Tier 1 metallic pipe and inserted PE. It is quick and easy to deploy, taking less than a minute to mix and apply.

BURSTPACK, a collaborative, NIA-funded project between SGN and Steve Vick International, is a technique to seal off the dead annular space between the host main and the inserted PE pipe. The method is in line with the Main and Service Laying (MSL/1) operating procedures, ensuring compliance with industry standards and best practices.

BURSTPACK consists of SVI's two-part expanding foam formulation, contained within a specially designed plastic sachet, featuring a series of chambers separated by 'burst seals'. These allow the resin and hardener to be mixed within

the sachet by bursting one of the seals, then inserting the complete, mixed sachet, into the annular space inside the pipe. A secondary 'burst seal' ruptures when the foam has sufficiently expanded, allowing the foam to seep out and fully seal the annular space. The application requires little space, reducing the size of excavation needed and can be inserted by hand or by using a specially designed long handled tool.

BURSTPACK is compatible with i-core excavations and is capable of achieving a tight seal even where challenging conditions exist, such as wet and muddy conditions or where the PE is off to the centre of the host metallic main.



GAS



WATER



NUCLEAR



CONTRACT SERVICES



SMARTESTER



HIRE



FUTURE ENERGY

## Benefits

- **Minimises Gas Migration:** BURSTPACK effectively reduces the risk of gas tracking along the annular space.
- **Prevents Surface Damage:** Helps mitigate road surface slump and the formation of potholes.
- **Blocks Ingress:** Reduces the likelihood of water and waste entering the system.
- **Easy Application:** Simple to apply using SVI's GIS:LC14 expanding polyurethane foam, delivered via a custom-designed, self-actuating pouch.
- **Flexible Deployment:** Can be installed manually or with i-core long-reach tools.
- **Rugged Packaging:** Engineered for durability to withstand tough on-site conditions.
- **Environmentally Friendly Design:** New packaging is environmentally friendly, featuring reduced materials for less waste, easier application, and streamlined production.

## Mixing Method

Confirm the size of sachet required for the annular space being sealed.

Inspect sachet for damage. If damaged, do not use and dispose of as per COSHH requirements.

Inspect the temperature strip to ensure the sachet contents are within working temperature range (5-25°C)

To activate the sachet contents, follow the visual mixing method as shown below.

Squeeze the resin chamber contents towards the hardener chamber until the central dividing seal opens to allow mixing.

Massage the two components together for 20-30 seconds.

Insert the wooden rods into the longitudinal pockets on either edge of the sachet.

Insert the sachet, pointed end first, into the open annular space at the crown of the inserted PE pipe until the trailing end of the sachet is level with the cut end of the metallic pipe. This step should be carried out as soon as possible to ensure the sachet has not over expanded prior to insertion.

The sachet will burst at the leading end and be fully cured within 30 minutes.



## About Steve Vick International

**We are experts in innovative engineering for trenchless renovation and decommissioning of pipes worldwide.**

Since our foundation in 1981, we have been dedicated to delivering cost-saving solutions for damaged, redundant or outdated underground pipe work. We are at the forefront in developing products and techniques across gas, water, nuclear and contract service sectors on a worldwide basis.

We are proud of our reputation for innovative product development, strong technical support and after sales care.

For more information on any of the products and services featured here, please contact: [info@stevevick.com](mailto:info@stevevick.com)



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