

High Integrity Foambag™

For filling and permanent sealing of pipework during decommissioning.

In the nuclear sector, FOAMBAG™ has been used for decommissioning pipes, where environments have often been contaminated and require remote pipe sealing to prevent ingress or egress of potentially hazardous material.

A recent joint project with the nuclear industry has resulted in the development of our High Integrity FOAMBAG™.

The High Integrity Foambag™ is a cost effective, reliable pipe flowstopping and permanent sealing method.

Once positioned in the pipe, the fabric bag is filled with an expanding resin foam. To upgrade the performance of our existing FOAMBAG™, the High Integrity FOAMBAG™ has been reengineered to allow a second filling operation with a high-performance resin specified to suit the application.

Unlike the original FOAMBAG™, the High Integrity FOAMBAG™ uses non-porous fabric to prevent unwanted foam filling the central resin void.

Stitching at the external ends of the bag allows surplus foam to seep through from the main body, eliminating excessive loading on the pipe wall during installation.



Patented



GAS



WATER



NUCLEAR



CONTRACT SERVICES



SMARTESTER



HIRE



FUTURE ENERGY

Benefits

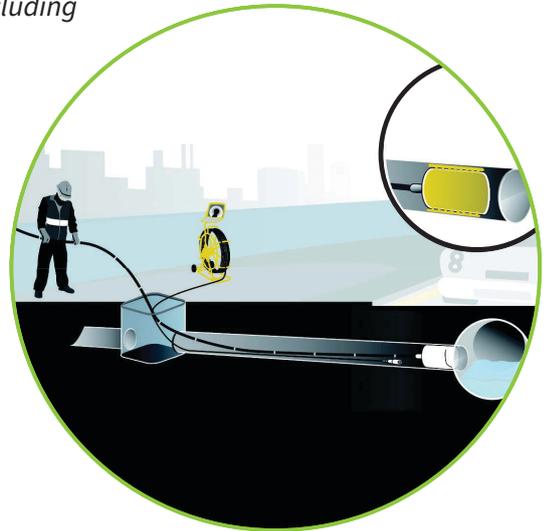
- **Improved mechanical performance** – a chemical bond is formed between the pipe wall and the High Integrity FOAMBAG™ fabric shell. This bond improves its mechanical performance, thus allowing it to withstand higher pressures, vibration, and shock loadings.
- **Improved sealing** – sealing is also improved by the resin bond, as any shrinkage will only stress the resin and prevent separation between the resin / pipe or resin/FOAMBAG™ interfaces. The green band which appears at the point where the resin has adhered itself to the pipe wall is the area of highest mechanical strength.
- **Remote installation** – the High Integrity FOAMBAG™ can be installed locally or remotely – up to 50m from the access point. Successful installation does not require a line of sight as the FOAMBAG™ location can be confirmed by CCTV.
- **Flexibility** – installation can be carried out via various access points including tank access, under pressure drilling, exposed pipe /flange ends and manholes/sumps.

Media Filled Pipe

The installation of a High Integrity FOAMBAG™ can be completed whilst the pipe is filled with media. The injection of resin displaces any media present in the pipe, whilst creating a bond between the pipe and the FOAMBAG™.

If two or more High Integrity FOAMBAGS™ are positioned at cut points, the pipe can then be cut through the middle of the bag and both pipe ends will remain sealed.

It is not necessary to empty sealed lengths of pipe which may hold contaminated material.



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



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