A technique for remotely sealing off disused drain and sewer laterals

The DRAINBLOCK BAG™ is based on our highly successful FOAMBAG™ system which is widely used and well proven for flowstopping in the gas distribution industry.

A semi-porous bag, containing a sealed sachet of PU resin foam is positioned at the point where the disused lateral drain or sewer meets the parent main. At full expansion some of the foam seeps through the bag to adhere to the inner walls of the pipe to form a permanent plug. The lateral is accessed at a non-sensitive location.

**BENEFITS**

- Avoids excavating in the roadway – bag can be installed 15 metres from point of access
- Prevents ground water from entering sewers
- Avoids erroneous/unauthorised connection to clean water drainage systems via disused laterals
- No risk of sealing material entering main
- Easy to use – available in kit form
- Once mixed the PU foam is inert and can be disposed of with normal waste
- WRc Approved – Drainblock is certified for remotely sealing off disused drains and sewer laterals (75mm-150mm)

**APPLICATIONS**

For use on clay, concrete, metal and plastic pipes. Ideal for use by Council contractors, water and sewerage companies, drainage contractors, facilities management and maintenance teams. Standard kits are available for 100mm (4”) and 150mm (6”) pipes. Other dimensions are made to special order.

- For use on disused drains, sewers, relocated WCs, abandoned ducts etc
- Prevents the ingress/egress of water
- Stops the passage of odour

**SPECIFICATION**

DRAINBLOCK BAG™ comes in convenient kit form with everything required to carry out the sealing operation.

The DRAINBLOCK BAG™ technique is designed for use where the prevention of water ingress/egress or odour is a priority. It is designed to resist a head of water up to 5 metres in height. The technique has been developed to meet the requirements of “The Drain Repair Book - 2nd Edition” and the “Civil Engineering Specification for the Water Industry - 6th Edition”.

Available as a Contract Service
**METHOD**

A CCTV camera is used to locate a suitable position for the DRAINBLOCK™ BAG™. The two-part resin foam is mixed in the FOAMPACK™ sachet and then zipped into the restraining bag together with the piercing knife. These are then placed in the outer DRAINBLOCK BAG™ and the zip closed. Drain rods are attached to the nylon tube on the bag and the bag is pushed into position with the aid of the camera.

As the foam expands, the knife pierces the sachet allowing the foam to fill the inner and then outer bags. At full expansion, some of the foam seeps through the bag to create an adhesive seal against the pipe wall.

DRAINBLOCK™ will start to act as a permanent seal against water and odours within around 30 minutes depending on temperature. A full cure will be achieved in approximately 12 hours.

**RATBLOCK™**

Where the priority is the preclusion of rats, we have a product called RATBLOCK™ which has WRc approval. RATBLOCK™ is a permanent solution to the problem of vermin entering disused drains and sewers.

RATBLOCK™ comprises a self-acting, expanding polyurethane foam sachet contained within a fabric bag which also incorporates an articulated steel plate membrane. Once cured, the foam provides a water, odour and gas tight seal within the pipe whilst the steel membrane prevents the passage of vermin.

Available in kit form or as a Contract Service.