

## Renewing House Service Lines in Melbourne with Interflex

**B**lockages caused by root-infested or damaged house service lines can be a grievance to both the householder and the Water Authority alike.

### The problem:

Whilst most blockages from root infiltration can usually be removed by plumbers without much difficulty and disruption the fix is usually only temporary. Over time the roots will re grow and the blockage will reoccur.

### The solution:

Interflex is a cured-in-place epoxy liner specifically developed for relining of house service pipes without the need for excavation.

Interflex renews the entire house service line with a chemically resistant hard wearing epoxy liner creating a permanent water tight barrier against roots.



### The Project:

Yarra Valley Water, a major Authority in metropolitan Melbourne is responsible for the house service pipes which connect each private dwelling to the sewer main.

If a number of blockage complaints have been logged from a property within a short period of time the line is deemed to be faulty and subsequent renewal is required.

Interflow has been installing Interflex to successfully renew house service lines since the mid 1990's.

The Interflex felt liner is highly flexible allowing it to traverse tight bends and "s-bends" with minimal wrinkling, whilst the epoxy resin provides low-risk long pot-life and fast cure.

Prior to installation an initial cctv inspection of the house service line is conducted using a push rod camera. The survey footage is used to confirm if the pipe is suitable for rehabilitation and locations of pipe feature such as boundary traps are recorded.

Interflex is installed from an existing I/O on the surface of the property. If an I/O does not exist an Interflow civil crew is deployed to dig and raise an opening to the surface from which Interflex will be installed from.

The liner is impregnated with the resin by feeding the liner through adjustable rollers. The rollers ensure the resin impregnation is uniform and controlled for the entire length.

Interflex is installed by a closed end inversion system. The benefit of this is that the trailing end of the liner is

trimmed from the main at the end of each installation guaranteeing a full length seal.

Heated water is circulated through the liner during installation to provide constant cure time of 90 minutes.

Interflex provides a trenchless solution to renewing house service lines with minimal site establishment and impact to the property.

Since October 2005 Interflow has continuously operated 2 permanent Interflex installation crews in Melbourne.

Interflow relines over 400 house service lines each year using Interflex.

