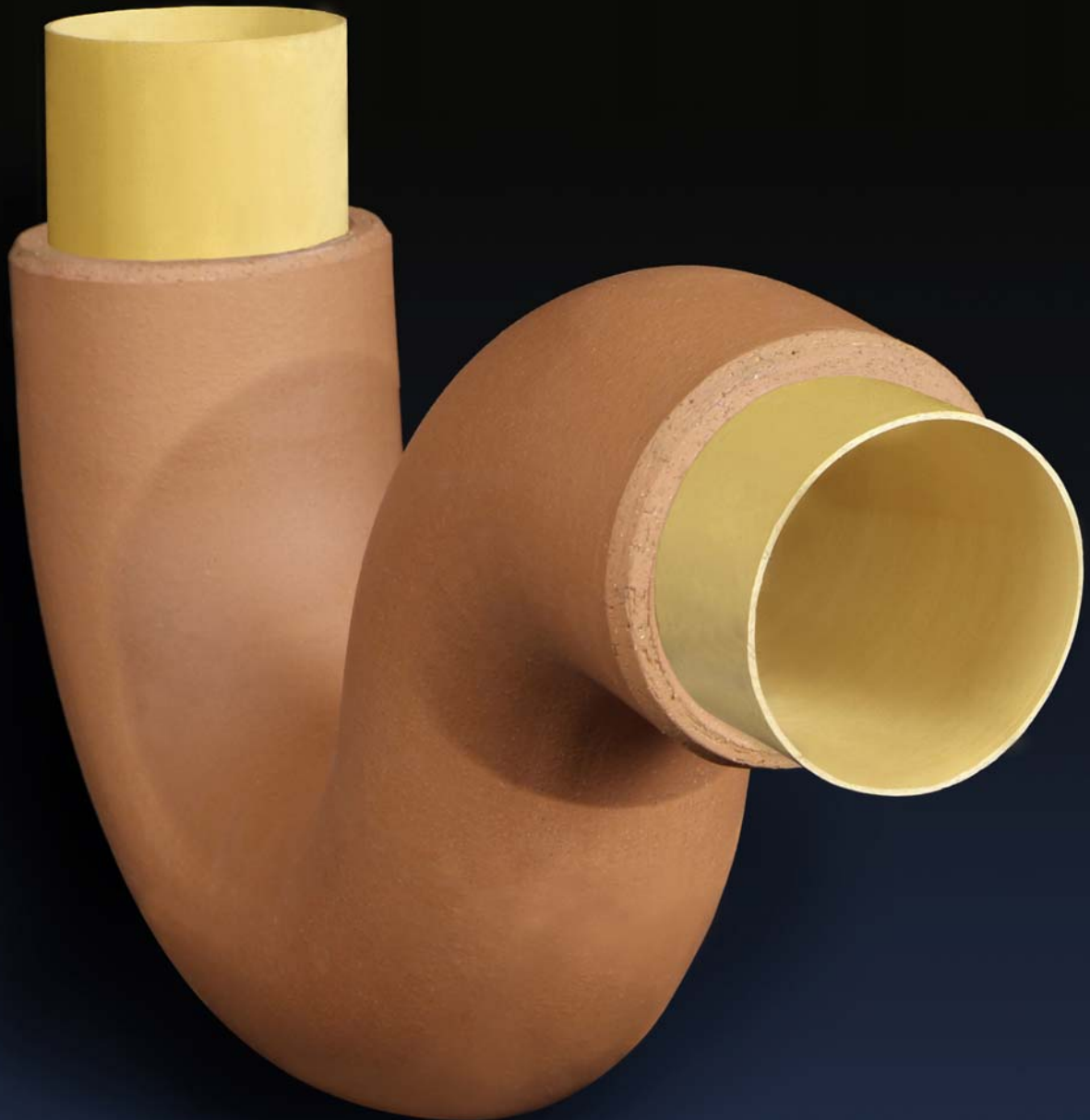


## Interflex

House Service Line Renewal



# Interflex

Cracked, leaking, or root infested House Service Lines (HSL's) can be a problem for both the householder and the Water Authority alike. HSL's can account for up to 25% of the total surface area of a sewer network so cracked and leaking HSL's can be a significant source of infiltration. Roots from trees and plants can also grow into the sewer pipeline leading to blockages and sewer overflows.

Interflex is an effective "no-dig" solution for sealing and renewing HSL's and a convenient alternative to traditional disruptive dig and replace techniques.

Interflex is a polyurethane coated, epoxy resin impregnated, cured in place felt liner used to reline the full length of a HSL from an Inspection Opening (IO) or Boundary Trap (BT) to the main sewer.

Interflex is designed to traverse tight bends such as "s-bends". The strong but highly elastic liner ensures minimal wrinkling in even the tightest bends.

Installation is non-disruptive and achieved by inversion of the liner installed from an IO or BT on the surface of property. This ensures minimal site foot-print.

Interflex can be installed in 100mm and 150mm diameter pipes.

## Proven Materials, Proven Methods, Proven Contractor

The Interflex epoxy liner system utilises materials which are used for renewal of sewer pipelines worldwide. CIP epoxy-felt liners exhibit low shrinkage and high strength and have a proven history of long term durability in harsh sewer environments.

The installation method of inverting the liner through the HSL is non-disruptive, quick, low-risk and safe.

The liner is impregnated with resin by feeding the liner through a specially built roller station. The rollers ensure a fast, consistent and thorough impregnation of the resin for the whole liner length.

Interflex is supported by the expertise and experience of Interflow, Australia's leading pipeline renewal contractor, so you can be assured that you are getting the highest value, highest quality product.

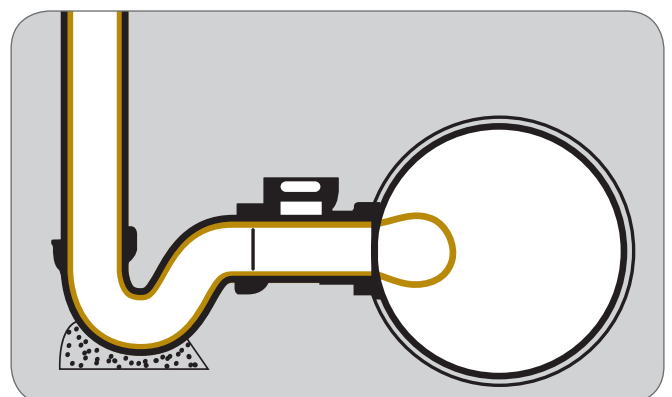
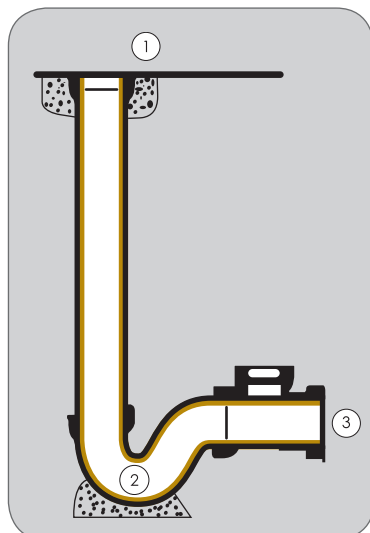
## Fast Installation

Interflex uses an epoxy resin specifically formulated for this application. The resin blend gives a constant and long pot-life to ensure low risk successful installation but maintains fast cure properties. Curing is achieved by heating water and carefully recycling it through the liner during installation. The resin cures in approximately 90 minutes.

## Guarantee Full Length Seal

The Interflex liner has the trailing end tied closed. During installation the closed end of the liner reaches inside the sewer main and is trimmed after curing is complete. This installation method guarantees the liner has reached all the way to the main, especially past the critical first joint. There is no risk that the liner falls too short and leaves a part of the service line exposed.

1. Surface access point (IO) used for Interflex installation
2. Interflex liner
3. Connection of house service pipeline to sewer main



Interflow is Australasia's leading pipeline renewal contractor with an unrivalled reputation for offering market leading products and services.

## The Environment

Interflex improves the environment by renewing cracked and leaking HSL's thereby reducing infiltration into the sewer network and keeping the sewage inside the pipe. The liner also provides a water-tight and root-tight barrier preventing roots from re-growing, eliminating sewer chokes and overflows.

Interflex renews HSL's without the need for excavation, potentially saving mature trees and plants and established gardens from removal or damage.

The cured epoxy resin and materials used in Interflex have been tested and proven to have no adverse effect on the environment.

Environmental awareness extends to the installation process; the resin mixing and impregnation of the liner is performed in a controlled environment inside a purpose built vehicle so any spills are contained and there is no risk of contamination of the surrounding ground.



## Community

Interflex is installed from existing IO or BT on the surface of the property which means excavating in house holder's backyards or front gardens is minimised and there is less disruption and inconvenience to the householder.

Working from above ground, the equipment is mobile and small enough to be carried into the confined space of backyards and gardens where the openings are usually found. A small site foot-print and fast curing time ensure minimal disruption to the householder, nearby residents, and local traffic; an obvious safety, community, and environmental benefit



## Safety

Interflow strongly encourages safe work practices and protecting the safety of the community and our workers is paramount.

Interflex offers a fast, non-disruptive, safe installation process. The resins used are non-toxic and styrene free and since no excavation is required there is no heavy machinery working in resident's backyards, driveways, or footpaths.

## Interflex

Structural Renewal of House Service Lines from the Leaders in Pipeline Renewal



## Experience

Interflow has been installing Interflex throughout Australia since the mid 1990's. During this time Interflow has installed Interflex in over 3000 HSL's.

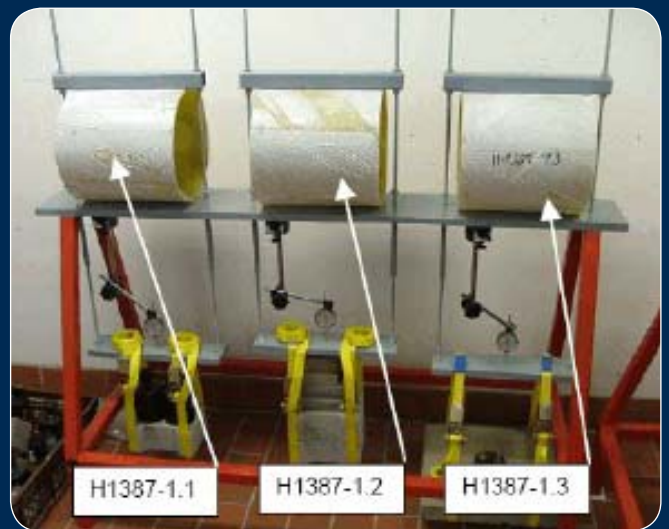
Interflex is an example of Interflow's commitment to offering the client the highest quality, fastest, least disruptive, safest and most environmentally friendly solution to effective house service pipeline renewal.

Interflow continues to lead the market by offering clients a total solutions package to sewer renewal. Together with the Interflow range of sewer main liners, and the Interflow Interfit for sealing HSL connections to lined sewers, Interflow is able to provide complete non-disruptive, maintenance free, renewal of the entire sewer system.

## Testing

Interflex has been comprehensively tested both in-house and by internationally respected testing authorities to confirm the material properties, physical properties and performance properties of Interflex for long-term use in sewer environments.

- ▶ Interflex has been tested to relevant standards for:
  - Tensile strength
  - Abrasion resistance
  - Impact resistance
  - Chemical resistance
  - Youngs Modulus
  - Stiffness
  - High Pressure cleaning resistance



Interflow is committed to offering clients solutions with the highest value so that you can be assured that your pipeline has truly been renewed.

**Interflow**<sup>®</sup>  
*Leaders in Pipeline Renewal*

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