

Interfit[®]

Lateral Connection Renewal



Interfit®

Sealing of lateral connections has become an integral component of sewer rehabilitation projects.

Several different types of liners can be installed to renew a deteriorated sewer pipeline. But none are reliably water tight when cut to make a lateral connection with a house service line. Infiltration, exfiltration and root ingress can all occur unless a seal is applied.

Interfit® is an internally applied, resin cured fitting that provides a secure long-term barrier by bonding with the lined pipeline and the house service line up to beyond the first joint.

Installation is non-disruptive. Interfit® is installed without excavation, using the nearest manhole and without needing access to the inspection opening.

Made from components proven to be effective and longlasting in sewer conditions, Interfit® can be used with PVC or cured-in-place liners, and bonds with concrete, PVC or vitrified clay house service lines. It forms smooth transitions with the existing pipe or liner, leaving minimal reduction in cross sectional area.

Available for sewer pipelines from 150mm to 750mm diameter, Interfit® can be used in the widest range of junction configurations.



1. For use in pipes of diameter 150mm – 300mm
2. For use in pipes of diameter 375mm – 750mm

Minimise excavations

Lateral connections come in many shapes and sizes. Interfit covers the widest range of:

- Mainline diameters (150mm to 750mm)
- Lateral diameters (100mm to 225mm)
- Lateral angles (0 to 180 degrees)

Additionally the patented installation apparatus has been mechanically engineered to allow it to be installed in the widest range of non-standard junctions.

That means fewer dig-ups, lower cost, less community disruption and faster project completion.

Fast installation

Interfit® uses a proprietary silicate resin, specifically developed by Interflow for this application. It cures in as little as 1 hour at ambient temperatures, even underwater.

The resin is pre-packaged and the specially developed packer used to install Interfit® is easily and conveniently handled, making the installer's job easier.

The whole installation process is fast.

Long-term performance

The silicate resin-saturated, PVC-coated glass fibre composite felt cures to form a strong, inert, abrasion resistant seal. It provides a long-term bond with the sewer liner and house service line.

The products are time proven to be suitable for use in sewer conditions including resilience to a wide range of sewer cleaning and jetting methods.

Interfit® is an essential and long-lasting component for renewing sewerage infrastructure.



Interflow is Australasia's leading pipeline renewal contractor with an unrivalled record of development and introduction of market leading products and services.

Interfit™ typifies this leadership with a unique product that further extends the boundaries for non-disruptive, cost-effective renewal of deteriorated underground pipelines.

Interfit® improves the environment by sealing leaks and keeping the sewage in the pipeline. Roots are kept out, eliminating sewer chokes and overflows. It does so with the most environmentally friendly process available.

The patented installation device has a hollow void along its centre that allows the sewer to keep flowing during installation and minimises the risk of sewerage backing up and overflowing.

Environmental sensitivity extends to the choice of resins. Unlike traditional resins Interflow's proprietary resin contains a very small percentage of fossil fuel based materials.

Resin cartridges come to site pre-packaged in sealed, recyclable tubes thereby eliminating the possibilities of resin spills and making disposal clean and simple.



Community

Working in sewers in built-up residential areas causes community inconvenience and disruption – particularly where excavation is involved.

Interfit® extends the possibilities of “no dig” renewal of non-standard connections. So digging to reconstruct the junction is required less frequently – an obvious safety, environmental and community benefit.

Working from existing manholes, a householder's house service lines connection can be sealed without even entering their property and without interrupting their service.

Safety

The safety of the community and our workers is paramount. Interfit® has been engineered to offer the safest lateral renewal product on the market.

The resin is non-toxic and contains no styrenes. The non-disruptive installation process means less heavy machinery in residential areas. The rapid process means less traffic disruption.



Interfit®

The Leading Lateral Connection
Repair Technology from the
Leaders in Pipeline Renewal



Experience

Interflow has unrivalled experience in the installation of internally applied, resin-cured fittings to provide long-term seals at lateral connections to lined sewers. Interflow was the first to step up to the challenge of offering these products to the Australasian market in 2001. Since this time lateral seals have been installed in all major water authorities with great success and customer satisfaction.

Despite its market-leading position, Interflow has continued to enhance and develop its technology to take the technology to the next level and expand its application into a wider range of configurations. As always Interflow is committed to providing an ever more competitive product that offers the greatest value to its clients.



Interflow[®]
Leaders in Pipeline Renewal

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Testing

Interff[®] has been comprehensively tested both in-house and by independent ISO-accredited laboratories to confirm its material properties, structural properties, sealing properties and suitability for long-term use in sewer environments.

Testing has included:

- ▶ Interff[®] has been tested to relevant ASTM Standards for:
 - Adhesion to UPVC, Clay, Concrete and Cast Iron Pipes
 - Abrasion resistance
 - Hardness
 - Impact resistance
 - Tensile strength
 - Sealing tests
 - Young's modulus
- ▶ Interff[®] has been tested for long-term performance according to the City of Hamburg (Germany) "Test for Resistance to High Pressure Cleaning." This test confirms the abrasion resistance and sealing capabilities of the Interff[™] after repeated high pressure flushing simulating a 60 year service life.

With Interflow's commitment to quality, you can be confident that your infrastructure has truly been renewed.

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