



**Interfit®**

Lateral Connection Renewal



# Interfit®

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

Several different types of lines can be installed to renew deteriorated sewer pipelines. 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.

Interfit is installed without excavation, using the nearest manhole and without needing access to the inspection opening, which minimises disruption.

Made from components proven to be effective and long-lasting in sewer conditions, Interfit can be used with PVC or vitrified clay house service lines. It forms smooth transitions with the existing pipe or liner, leaving minimal reduction in cross-sectional areas.

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 so it can 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, specially developed by Interflow for this application. It cures in as little as one 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 and quicker.

## 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 to use in sewer conditions and are resilient against 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.**

### **The environment**

Interfit improves the environment by sealing leaks and keeping the sewerage in the pipeline. Roots are kept out, eliminating sewer chokes and overflows, in the most environmentally friendly way possible.

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 sewage 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 reducing the potential for resin spills and making disposal clean and simple.



### **Community**

Working in sewers in built-up residential areas can cause community inconvenience and disruption, particularly when 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, which provides safety, environmental and community benefits.

By working from existing manholes, householder house service line connections can be sealed without the need to enter properties or interrupt services.

### **Safety**

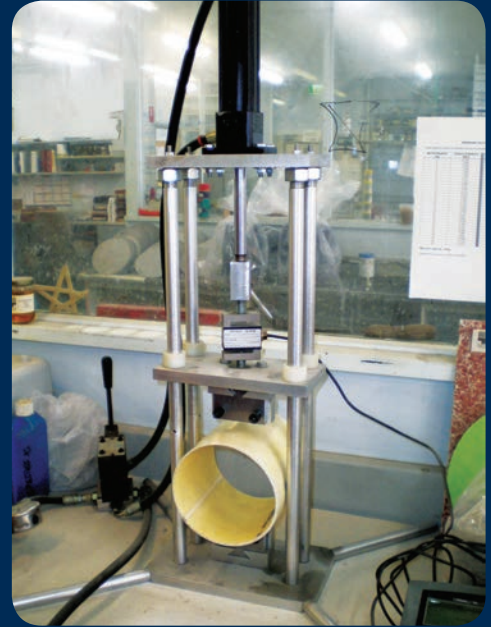
Ensuring safety for its staff and the community is central to all aspects of Interflow's business. Interfit has been engineered to offer the safest lateral renewal product on the market.

The resin is non-toxic and contains no styrenes. And the non-disruptive and quick installation process means there is less heavy machinery in residential areas and 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. In 2001, Interflow became the first company to offer these products to the Australasian market. Since then, lateral seals have been successfully installed in all major water authorities.

Despite its market-leading position, Interflow continues to enhance and develop its technology and expand its application into a wider range of configurations. Interflow is committed to providing its clients with the best-available products, which represent the best value.



## Testing

Interfit has been comprehensively tested 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.

► Interfit 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
- Stiffness

► Interfit 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 Interfit after repeated high-pressure flushing, which simulates a 60-year service life.

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

# Interflow®

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