



## Interchem® CAC

Protection and Renewal of  
Access Chambers and Structures



# Interchem® CAC

## Seal the entire sewer network

Access chambers can account for up to 30 per cent of the total surface area of the sewer network, so cost-effective maintenance and renewal strategies are critical. In many instances, access chambers and other underground structures that are highly deteriorated from gas attack may also have some structural loss.

## Interchem CAC properties

Interchem CAC is a factory blended, fibre reinforced calcium aluminat cement mortar enhanced with a monocrystalline quartz aggregate.

Interchem CAC can be used for both protection and renewal of access chambers and underground structures. The level of deterioration will determine the thickness of Interchem CAC needed to rehabilitate the structure. Interchem CAC can be applied in various thicknesses on vertical and overhead surfaces, making it quick and easy to coat inside structures.

Interchem CAC coating is applied using either a low-velocity spray application nozzle or a high-speed rotating applicator device.

The physical properties of Interchem CAC result in a tough, strong, hard-wearing material that restores the structural integrity of the structure.

Interchem CAC has a compressive strength of over 60MPa which is greater than concrete strengths typically found in the construction industry (32 to 50MPa).

Interchem CAC is highly resistant to sulphide attack and is ideally suited for underground sewer structures with a pH of greater than two.

## Tailored solution package

Interflow recognises the importance of providing a complete repair and renewal package for the entire sewer network, of which renewal of access chambers is an important component. As such, Interflow has introduced Interchem® – a suite of chemical treatment products that achieve the 'right' solution, which is not based on a 'one-size-fits-all' approach. The appropriate product will depend on the condition of the structure.

Interflow tailors packages from this wider range of alternatives to ensure clients obtain the most suitable and highest-value solutions.



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

### **The environment**

Interchem CAC protects the structure from further gas attack, preventing deterioration and avoiding possible environmental degradation in the event of structural collapses. Interchem CAC seals access chambers, which reduces infiltration in the sewer network.

CAC products such as Interchem CAC are widely used in sewer applications throughout the world.

The Interchem CAC application method and installation equipment require a small footprint, which results in minimal impact on the surrounding environment.



### **Community**

Interchem CAC can cost-effectively renew the deteriorated surfaces of sewer structures before it becomes too late and extensive structural rectification is required. Any subsequent structural repairs are likely to require expensive civil works and cause significant disruption to the community.

The Interchem CAC restoration process is completely non-disruptive and applied in situ. This means there is less effect on the local traffic and residents.

In most circumstances, the installation can be performed with flow in the pipe, so there is no interruption of the sewer service and bypassing is usually not required.



### **Safety**

Ensuring safety for its staff and the community is central to every task Interflow undertakes. Interchem CAC has been developed with this in mind.

## **Interchem® CAC**

Protection and renewal of access chambers and structures from the leaders in pipeline renewal.



Interflow can apply Interchem CAC to rebuild deteriorated surfaces of access chambers, inspection chambers, box culverts, benching, sections of large diameter sewers and vortex drop structures of many different sizes, depths and in challenging conditions and locations. Irrespective of the coatings application, Interflow has the personnel, products and expertise to do the job.



## Experience

Interflow is Australasia's leading pipeline renewal contractor and services its market with the highest value products that offer all-round benefits. Interflow can also offer rehabilitation solutions for access chambers and other underground structures.

As a specialist and experienced pipeline and sewer renewal contractor, Interflow can inspect and assess the condition of your sewer assets and provide you with the most suitable solution.

Interchem CAC is the latest addition to the Interchem™ suite of products, which protects and renews access chambers and sewer structures.

Interchem CAC is an example of Interflow's commitment to expanding our product portfolio to better meet the market's requirements.

Protecting underground structures against gas attack is the key to extending the life of valuable assets. But not all structures have the same level of deterioration. The appropriate treatment and protection will depend on the overall condition of the structure.



### Interflow Pty Limited

Sydney - Head Office

254 Toongabbie Road  
Girraween NSW 2145, Australia

Ph +61 2 9631 2444  
Fax +61 2 9636 5475

Email: [mail@interflow.com.au](mailto:mail@interflow.com.au)  
Website: [www.interflow.com.au](http://www.interflow.com.au)

New Zealand

18 Anvil Road  
Silverdale 0932, New Zealand

Ph +64 9 443 7209

Website: [www.interflow.co.nz](http://www.interflow.co.nz)