

Interchem™ CAC rehabilitates Sewer Access Chambers in Leeton

Interchem™ CAC is the latest addition to the Interchem™ suite of products for the protection and renewal of access chambers and sewer structures.

Interchem™ CAC allows Interflow to offer the most suitable and highest value solution to its clients. One of the first clients to benefit from Interflow's tailored infrastructure renewal capabilities has been Leeton Shire Council (LSC), in southern NSW.

Interflow was engaged by LSC to undertake the renewal of approximately 1km of severely deteriorated 375mm diameter AC pipe. Interflow utilised the Expanda pipe lining system to carry out these carrier pipe renewal works.

In addition to the 375mm diameter pipeline, 19 access chambers were identified as requiring rehabilitation as a result of hydrogen sulphide gas attack. In some instances, these maintenance holes had experienced a loss in wall thickness of approximately 25mm.

Interchem™ CAC is a factory blended, one component fibre reinforced calcium aluminate cement mortar enhanced with a monocrySTALLINE quartz aggregate.

Interchem™ CAC can be used for both protection and renewal of access chambers and other underground structures.

The deterioration level of the structure determines the thickness of the Interchem™ CAC needed for the structure's rehabilitation. For LSC, Interflow applied a thickness of 25mm for the access chamber rehabilitation works.



Interchem™ CAC being sprayed onto walls of access chamber

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



Interchem™ CAC is finished with a moist sponge to smooth surface

Interchem™ CAC has a compressive strength of over 60MPa and is highly resistant to sulphide attack.

The pipe renewal and access chamber rehabilitation works were completed without interruption of the sewer network so there was no disruption to the surrounding residents.

The project was undertaken in a built up area of Leeton. The small footprint of the Interchem™ CAC unit enabled Interflow to carry out the works with minimal impact on the local environment and community.



The small footprint of the Interchem™ CAC unit allows the work to be undertaken with minimal disruption to the community

By renewing 1km of carrier pipeline and rehabilitating 19 access chambers with Interchem™ CAC, Interflow has been able to fully renew this section of LSC's sewer system.

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