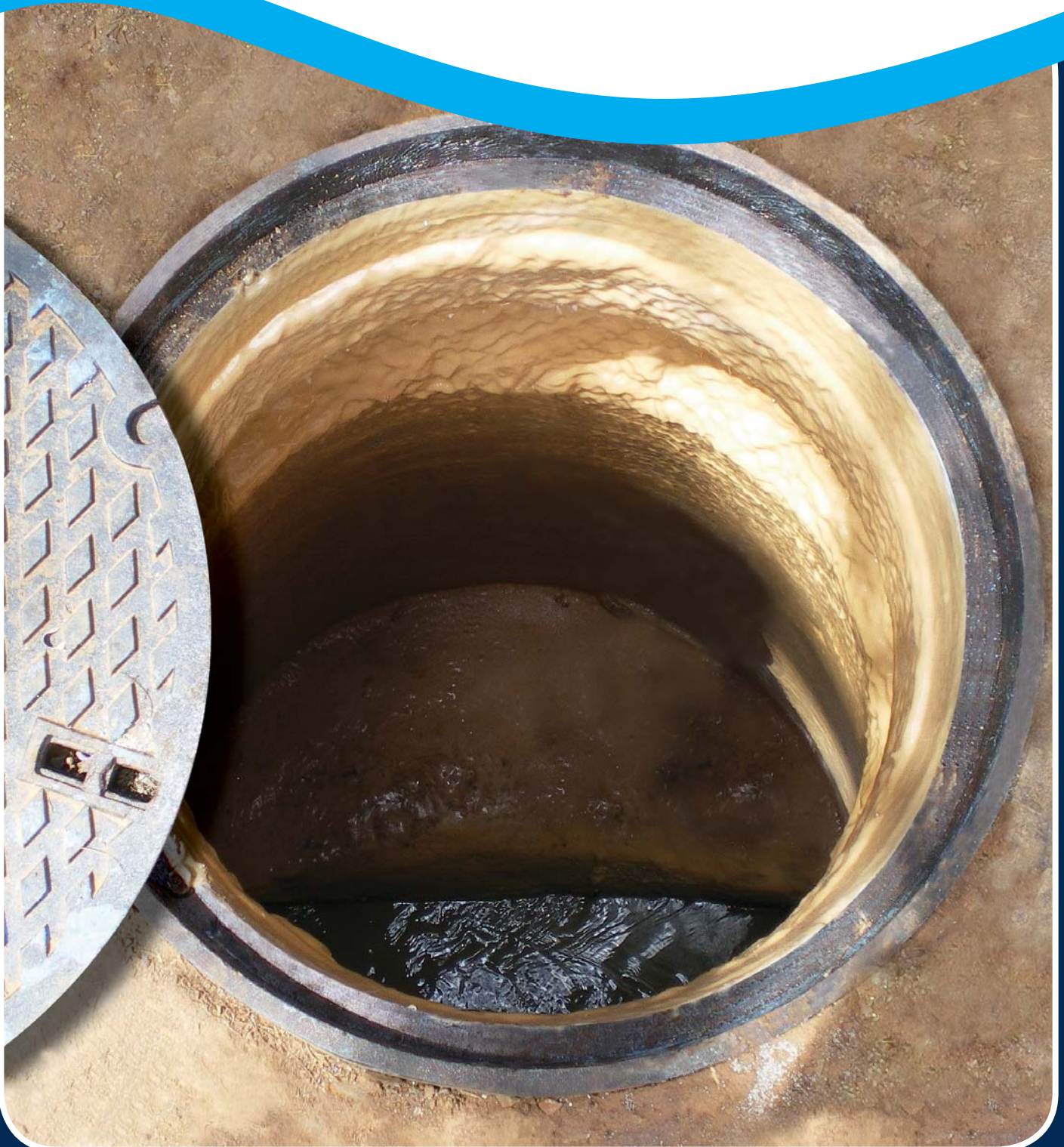


Interchem P

Protection of Access Chambers



Interchem P

Access chambers are subject to cracks, leaks, and gas attack. If left untreated the structure can deteriorate to the extent that costly structural repair may be required.

Interchem P (denoting Protect) is a multi-layer coating system designed to protect the exposed surfaces of access chambers and sewer structures from further deterioration, thereby effectively renewing and extending the life of the asset.

Interchem P is suitable for access chambers and sewer structures which may already show signs of gas attack but are not deteriorated to the point of structural loss. In cases where the structure is deteriorated, Interchem R is recommended.

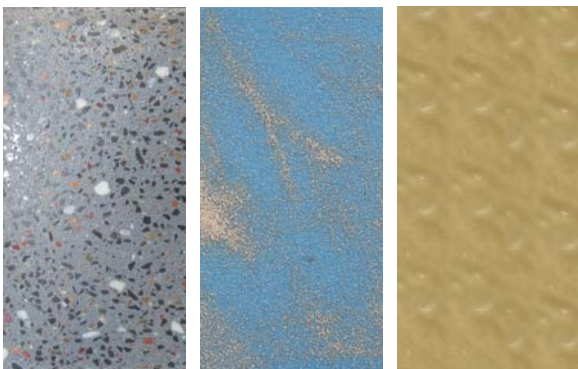
The Interchem P coating consists of an epoxy primer base, which provides a strong bond to the substrate surface, and a polyurea top-coat. The polyurea is applied by spray and cures in seconds to form a smooth coating.

The finished product is a water-tight, chemically resistant, tough, hard wearing coating which is flexible enough to handle normal ground movement and surface traffic vibrations without cracking.

Interchem P can be used to protect access chambers and sewer structures of any diameter, depth and shape.

Interchem P Coating Process

- 1) The condition of the access chamber or sewer structure is inspected to determine if the structure is suitable for protective coating application.
- 2) The exposed surfaces are cleaned with high pressure water to remove any surface contaminants such as dirt and oil.
- 3) Any surface cracks or leaks are filled and sealed prior to application of coating.
- 4) To ensure strong adhesion to the substrate the surface is then coated with a high performance epoxy primer.
- 5) After the primer layer has cured the polyurea top coat is spray applied, creating the finished product.



A

B

C

A: Raw surface after high pressure clean

B: Surface coating with epoxy primer

C: Polyurea top coat finished product

Seal the Entire Sewer Network

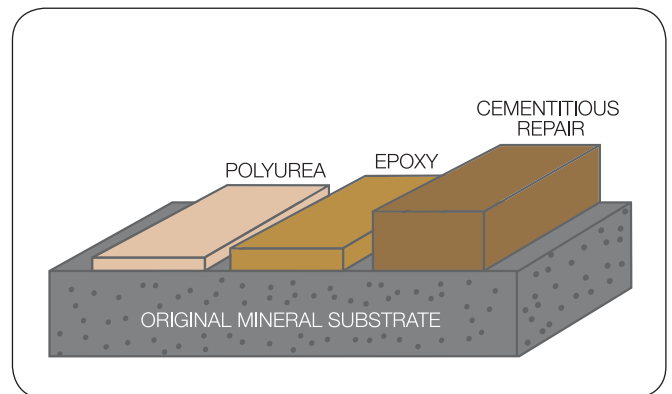
Access chambers account for approximately 30% of the total surface area of the sewer network and as such it is important to prescribe a cost effective maintenance and renewal strategy: applying Interchem P to the access chamber will immediately seal the system against infiltration and prevent on going gas attack.

Superior Performance

Interchem P is a high performance system, with the following key features:

- excellent resistance to abrasion
- excellent impact resistance
- excellent resistance to chemicals
- high flexibility
- strong adhesion

Interchem P can be applied in a thinner layer than cementitious or epoxy coatings and still achieve a similar or improved level of protection.



Benefits of Polyurea Spray Technology

Interchem P utilises polyurea spray technology. The benefits of polyurea spraying are:

- rapid resin cure
- coating thickness control
- optimum mixing efficiency by the use of plural proportioner technology
- consistent quality control
- faster installation

This means the application process is fast, reliable, and economical.

The Environment

Interchem P protects the structure from further gas attack preventing deterioration and avoiding possible environmental degradation in the event of any structural collapse. Interchem P seals access chambers reducing infiltration in to the sewer network.

Interchem P is a 100% solids coating making it compliant with Volatile Organic Compound (VOC) regulations. Polyurea is environmentally friendly and is suitable for long term use in sewer applications.



Community

Interchem P is an elegant renewal process; a typical access chamber can be inspected, cleaned, and renewed without disrupting the sewer flow.

The installation equipment and materials are fully contained inside specially built vehicles making site establishment quick and keeping the site foot-print small.

Polyurea cures in seconds which means application times are fast. This ensures minimal impact to residents and local traffic; an obvious safety and community benefit.

Safety

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

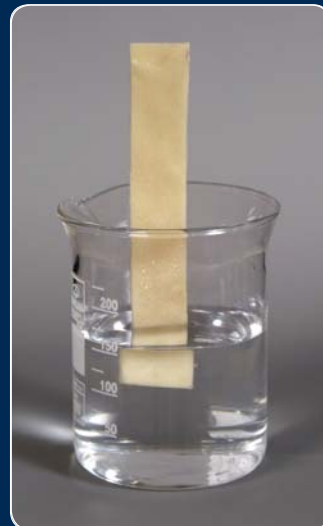
Interchem P exemplifies this by providing a safe product for the protection of access chambers and sewer structures.

The installation process is fast and non-disruptive making it safer for our workers and local residents. The polyurea resin mixing process is performed by machine and control settings are adjusted on a touch-pad control panel. This makes the process faster, cleaner, and safer. The finished product is non-toxic and inert making it safe for the environment.



Interchem P

Protection of Access Chambers from the Leaders in Pipeline Renewal.



Experience

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

Interchem P is an example of Interflow's commitment to investing in the latest technology so that we can provide clients with the most competitive products on the market.

Polyurea spraying is an established technology that has been successfully used in protective coating applications in the wastewater industry in Europe and North America for the past 10 years. With Interchem P, Interflow can now offer a cost-effective solution for protection of gas attacked access chambers in the Australasian market.

Testing

The properties of polyurea which make Interchem P a superior protective coating product are:

- Hard wearing; it can be applied in a thinner layer
- High elongation; it will stretch rather than crack in the presence of ground movement
- High impact resistance; it will not crack
- Excellent resistance to sulphuric acid and chemicals commonly found in sewers; it will not deteriorate over time
- Strong bond strength; the coating will not peel away from the substrate

These properties have been comprehensively tested in the lab and out in the field to relevant test standards to confirm the suitability of Interchem P for long-term use in sewer environments.

With Interflow's commitment to offering the latest technology and of the highest quality you can be confident that your underground assets will remain protected for decades to come.



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