



# Manhole rehabilitation

## The Challenge

Manholes are exposed to aggressive odours, fluids and other forms that impact detrimentally to their condition and structural integrity.

While there is a range of rehabilitation solutions available, many impact on environmental or OHS consideration about the actual application using epoxy type spray-on components.

We looked to find another way that is harmless to install and provides for a new, robust surface that is fast and easy to install.

It had to withstand the aggressive nature of the sewer environment and provide a for a long life-cycle without the need to maintain the asset on a regular basis.



## The Solution

After the manhole is pressure cleaned and any necessary repairs to the concrete completed, pre-fabricated PE sheeting is anchored to the wall after protective coating between the structure and sheet has been applied.

All joints are thermal welded to create a completely sealed compartment that will keep the 'nasties' away from the concrete.

The surface is easy to clean and will provide many years of robustness.

The PE sheeting can be applied for square and round shaped manholes of any configuration and size.

The application has no impact on the environment or people and is also a suitable technique to protect new pump stations, other concrete structures and for rehabilitation of pumping stations.

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