

# Ex Method

## Description of Process

Ex Method is a PVC no-dig structural lining system manufactured in Australia under factory controlled quality standards.

PVC is the material of choice for new sewer pipes

## Typical Applications

Ex pipe has been used throughout Australia for over 17 years for the rehabilitation of reticulation sewers. The speed and efficiency of the process enable 2 to 3 separate linings to be installed in a single day. The liner is joint free for the entire length and there are

and an Ex liner simply provides the same strength and durability of a new PVC pipe without the need for excavation. No entry to access chambers is required by personnel during the installation process.

smooth transitions at offsets, bends and protrusions. Flow calculations before and after lining show that for a 150mm diameter aged concrete pipe, there is an improvement of more than 40% in flow capacity after lining with Ex.

## Installation

The factory extruded coil of PVC Ex pipe is loaded into a warming trailer on site and heated until it is soft. When the correct temperature is reached, the Ex pipe is folded onto itself so that it fits inside the existing pipe and winched from one access chamber to the other. Steam injectors are then fitted to each end of the Ex pipe so that steam and pressure can be applied internally to expand and form the Ex pipe

lining tightly against the host pipe. This type of lining is often referred to as "fold and formed". The ends of the hard lining are then trimmed and any excess material removed. Any connections to the pipe are reopened using a specially designed robotic cutter and CCTV camera system.

## Available Sizes

Ex liner is suitable for sewer and stormwater pipes in 150mm, 225mm and 300mm diameter.

## Materials

Ex pipe is manufactured in Australia by Vinidex Ltd from a modified PVC formulation. Manufacture and installation of Ex pipe are undertaken to ISO9001:2001.



1800 803 861



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