

# Enviroliner

## Description of Process

The Enviroliner system is a process for the renovation of pipelines by the installation of a resin impregnated, flexible tube which is inverted into the existing conduit by the use of hydrostatic pressure. The system is classified as a cured in place pipe

(CIPP). Kembla's CIPP liners result in a seamless and jointless 'pipe-within-a-pipe' with a smooth, continuous inner surface which usually results in an increase in flow capacity.

## Typical Applications

Used worldwide for more than 30 years, CIPP is suitable for restoring structural integrity to all diameters and shapes of deteriorated pipes. With the Enviroliner system, Kembla specialises in the installation of CIPP liners into oviform and circular

pipelines. The use of remotely controlled internal cutters eliminates the need for excavation at every service connection. Thus, laterals can be re-installed from within the main line with no surface disruption.

## Installation

A flexible, resin-impregnated tube is positioned into the existing conduit and then cured to a hardened state, using steam or hot water, whilst internal pressure holds it in intimate contact with the pipe wall. Because CIPP linings are installed in a soft state they will take the shape of the existing pipe and then cure to be in intimate contact with this shape.

It is an important aspect of the Enviroliner system that the lining thickness can be varied to suit different design criteria. The liner is factory impregnated with the most suitable resin system which is chosen specifically for the environmental conditions of the existing pipeline.

## Available Sizes

Enviroliner has been proven in pipes with a wide range of shapes and diameters, from 100mm to over 2,500 mm.

## Materials

The liner is constructed of an acid-resistant needled polyester tube which is manufactured under factory QA conditions to the diameter and thickness required.



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