

EUROFLO® CULVERT PIPE SN TESTING

Take a sneak behind the scenes of the stringent testing that goes into ensuring EUROFLO® is the best twin wall culvert in New Zealand.

As the only twin wall culvert in New Zealand that is made to European standards, EUROFLO® uses new technology as well as the old true and tried devices to do the testing.

The Micrometer (Figure 1) is used to measure the mean outside diameter. Then the pipe is put through an instrument (Figure 2) that tests the oxidation induction time (OIT). The pipe stiffness and flexibility is then tested on the machine shown in Figure 3. Pipe stiffness is commonly known as the SN rating, an often forgotten measurement is the ring flexibility which is highlighted in the SN Rating article found here.



Figure 1



Figure 2

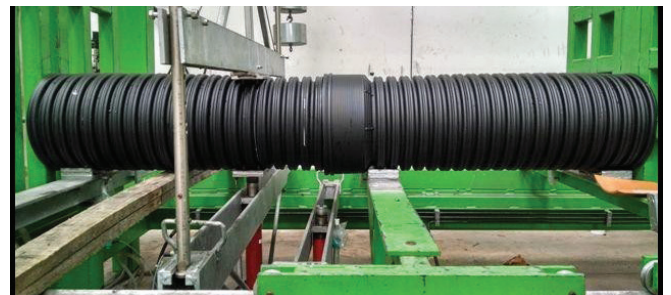


Figure 3

Hydrostatic Pressure Testing, also known as Hydro Testing or a Leak Test, provides a method for finding leaks or verifying performance and durability in pressure vessels. In the case of EUROFLO® it is to test the integrity of the joint (which can handle a 5m water head).



Finally, a Liquid infiltration test is performed. This is an exclusively Australasian requirement that has developed over the years to minimise the risk of root intrusion and infiltration into sewer systems. This test is not required in any other international non-pressure pipe standards.



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