

EnviroCulvert™

Technical Datasheet

General Application

EnviroCulvert™ is used for stormwater drainage, culverts, road crossings and other non-pressure water conveyance applications, particularly where a lightweight, corrosion resistant pipe system is required.

Technical Data

Table 1. Overview of Characteristics

PARAMETER	SPECIFICATION
Product	EnviroCulvert
Material	High-density polyethylene (HDPE) PE100
Application	Buried gravity / non-pressure flow, stormwater detention
Internal diameter (ID)	2500mm to 4000mm
Stiffness class	SN2, SN1.7, SN1.1 and SN0.7
Internal surface	Smooth bore
External surface	Corrugated helical profile
Joint / end type	Electro-Fusion Joint (EFJ)
Installation	Underground buried application

Table 2. Product Codes and Dimensions

Product Code	Internal Diameter	Outside Diameter	Stiffness (KN/m/m)	Joint	Overall Length (mm)	Effective Length (mm)
CP2500PE	2500	2694	2	Electro-Fusion Joint	5960	5800
CP3000PE	3000	3214	1.7		5660	5500
CP3500PE	3500	3714	1.1		5660	5500
CP4000PE	4000	4214	0.7		5660	5500

*Dimensions are approximate and subject to confirmation at time of order

Jointing and Installation

EnviroCulvert™ sections can be joined using electrofusion (EF) jointing, where an electrically heated fitting melts and fuses the polyethylene surfaces to form a strong, leak-tight joint.

Applicable Design Standards

AS/NZS 2566.1

Applicable Installation Standards

AS/NZS 2566.2

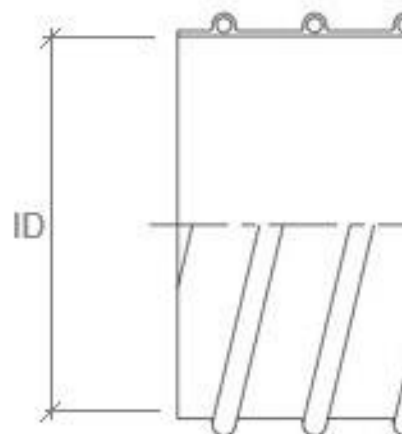
Chemical Resistance

Refer to Enviro Pipes Catalogue available for download from enviropipes.com.au

Applicable PIPA Guidelines

POP001
POP001A
POP004A
POP005
POP020
POP209

All PIPA Guidelines are available for download from the Plastics Industry Pipe Association of Australia (PIPA) website.



Product Dimensions are tabulated on the Enviro Pipes website.