



Technical Data

Scope

This specification describes 100 mm and 150 mm (4" and 6") diameter Hi-Flo HDPE Uno Flex pipe for use in gravity-flow drainage applications.

Pipe Requirements

Hi-Flo HDPE Uno Flex pipe is manufactured with annular interior and exterior corrugations. It has minimum stiffnesses of 180kPa or 210kPa measured at 5% deflection when tested in accordance with ASTM D2412.

Material Properties

Hi-Flo HDPE Uno Flex pipe is manufactured from high-density polyethylene (HDPE) resin, meeting the cell classification of the ASTM D3350 standard.

Pipe Dimensions

The nominal pipe size is referenced based on the inside diameter. The tolerance of the stated values of inside diameter is +3% / -1.5%.

Pipe Nominal Inside Diameter mm (in)	100 (4)	150 (6)
Pipe Outside Diameter mm (in)	114 (4.5)	173 (6.8)
Lengths m (ft)	15/31/45/76/1220 (50/100/150/250/4000)	6/31/305/534 (20/100/1000/1750)

Product Configurations

- Solid (non-perforated)
- Big-hole perforations
- Big-hole perforations with geotextile filter sock
- Fine-cut perforations
- Fine-cut perforations with geotextile filter sock

White exterior available only in 100 mm (4"), to be used when thermal expansion poses a risk for installation.

Joint Performance

Pipes connect with an external split coupler overlapping a minimum of two full corrugations on each pipe for soil-tight connections. The joint provides sufficient longitudinal strength to preserve the pipe alignment and prevent separation of the joints.

Installation

Installation of Hi-Flo HDPE Uno Flex pipe is to be in accordance with CSA B182.11 guidelines. Please contact a Technical Sales Representative for installation recommendations.