

Smoothwall

Sewer & Drain Pipe

Smoothwall pipe is manufactured from a white high-density polyethylene (HDPE) layer around a black polyethylene core to form a lightweight pipe with excellent beam stiffness. Smoothwall pipe is stiff in the longitudinal direction, so it can be easily laid straight and “true” to line and grade.

Applications

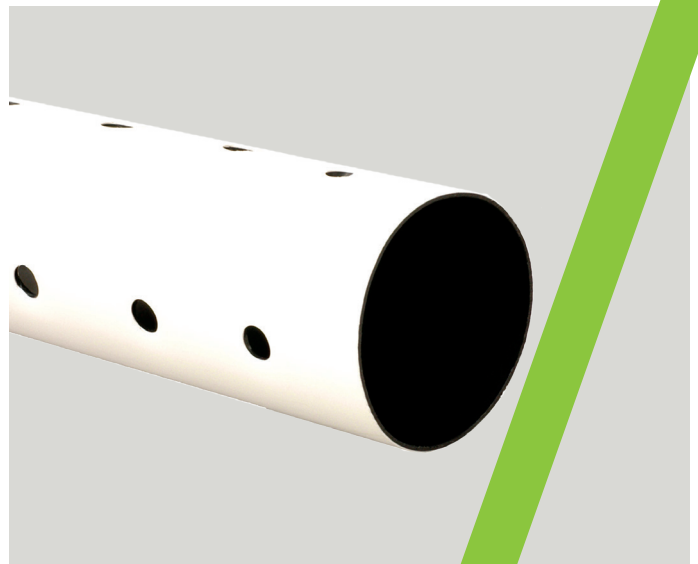
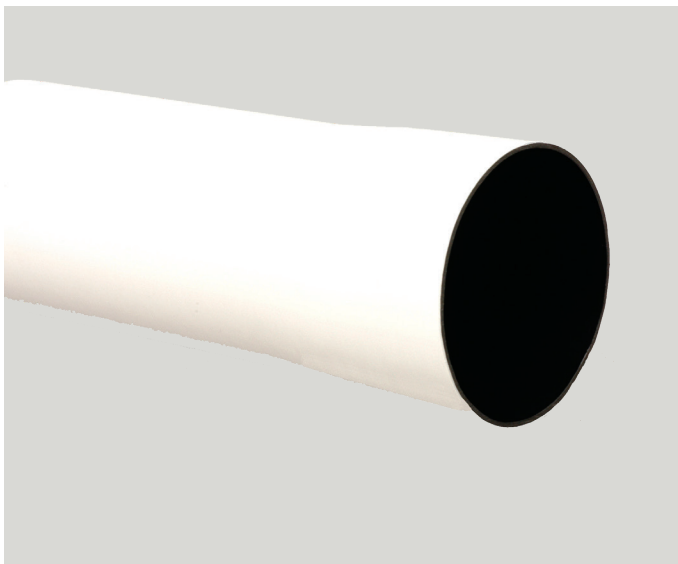
- Waste management absorption fields
- Golf course drainage
- Downspouts
- Sidwalk culverts
- Irrigation ditch enclosures
- Basement drainage
- Foundation drainage
- Temporary plumbing
- Terrace risers
- Waterway terracing

Features

- Available in 10' (3 m) lengths
- Diameters are 3" and 4" (75 and 100) with three different hole patterns
- Constructed with bell-and-spigot end for soil-tight joints
- Unaffected by extended exposure to the sun's heat and ultraviolet radiation
- Immune to freeze/thaw conditions and continuous subzero temperatures

Benefits

- Made with a white high-density polyethylene layer around a black polyethylene core to form a lightweight pipe with excellent beam stiffness
- Corrosion resistant to acids, alkalies and salts. Will not rust
- Safe, easy, efficient installations without breaking, splitting or cracking
- Higher impact resistance than PVC, ABS or styrene



ADS Smoothwall Sewer & Drain Pipe Specification

Scope

This specification describes ADS Smoothwall Sewer & Drain pipe in 3- through 4-inch (75 to 100 mm) diameters for use in gravity-flow drainage and leachfield applications.

Pipe Requirements

ADS Smoothwall Sewer & Drain pipe shall have a smooth interior and exterior.

- 3- through 4-inch (75 to 100 mm) pipe shall meet the requirements of ASTM F810
- Manning's "n" value for use in design shall not be less than 0.009.

Joint Performance

Pipe joints shall be bell-and-spigot. Bell ends shall be integrally formed on the pipe at one end to form a soil-tight connection.

Material Properties

Pipe material shall be high-density polyethylene conforming with the minimum requirements of cell classifications 424410C or E as defined and described in the latest version of ASTM D3350. The material formulation shall include recycled polyethylene.

Installation

For gravity-flow drainage applications, installation shall be in accordance with ASTM D2321 and ADS' installation guidelines with the exception that minimum cover in traffic areas shall be one foot (0.3 m). For leachfield applications, installation shall be in accordance with ASTM F481 and as regulated by regional, state and local agencies. Proper authorization for specific applications and designs should be obtained prior to installation to ensure suitability in certain locales. Contact your local ADS representative or visit our website at adspipe.com for a copy of the installation guidelines.

Pipe Dimensions*

Nominal Pipe Size, in. (mm)	3 (75)	4 (100)
Avg. Pipe O.D., in. (mm)	3.250 (83.0)	4.215 (107.0)
SDR Rating**	38	38
Pipe stiffness pii (kPa)	19 (131)	11 (76)

*All diameters available with or without perforations. Perforation sizes are based on customer requirements and availability by region.

**Check with a sales representative for availability by region; other SDR rated pipe may be available.

Perforation Options

