

ADS SANITITE® PIPE SPECIFICATION

Scope

This specification describes 24- through 60-inch (600 to 1500 mm) ADS SaniTite pipe for use in gravity-flow applications such as industrial wastewater and municipal sanitary sewer.

Pipe Requirements

SaniTite pipe shall have a smooth interior and annular exterior corrugations.

- 24- through 60-inch (600 to 1500 mm) shall meet AASHTO M294, Type S or ASTM F2306 with the modifications listed herein.

Joint Performance

The 24- through 60-inch (600 to 1500 mm) pipe shall be watertight according to the requirements of ASTM D3212. Gaskets shall meet the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable wrap to ensure the gasket is free from debris. Spigot shall be designed to accept two gaskets which can be fully inserted into the bell.

24- through 60-inch (600 to 1500mm) diameters shall have a reinforced bell with a polymer composite band. The bell tolerance device shall be installed by the manufacturer.

Fittings

Fittings shall conform to AASHTO M294 or ASTM F2306. Fittings shall be fabricated from the same materials as the pipe.

Field Pipe and Joint Performance

To assure watertightness, field performance verification may be accomplished by testing in accordance with ASTM F2487 or ASTM F1417. Appropriate safety precautions must be used when field-testing any pipe material. Contact the manufacturer for recommended leakage rates.

Material Properties

Virgin material for pipe and fitting production shall be high-density polyethylene conforming with the minimum requirements of cell classification 435400C as defined and described in the latest version of ASTM D3350, except that carbon black content should not exceed 4%. The 24- through 60-inch (600 to 1500mm) virgin pipe material shall comply with the notched constant ligament-stress (NCLS) test as specified in Sections 9.5 and 5.1 of AASHTO M294 and ASTM F2306 respectively.

Installation

Installation shall be in accordance with ASTM D2321 and ADS recommended installation guidelines, with the exceptions that only minimum cover in traffic areas for 24- through 48-inch (600 to 1200mm) shall be one foot (0.3m) and for 60-inch (1500mm) diameters, the minimum cover shall be 2-feet (0.6m) in single run applications. Backfill for minimum cover situations shall consist of Class 1 or Class 2 (minimum 90% SPD) material. Maximum fill heights depend on embendment material and compaction level; please refer to Technical Note 2.05. Contact your local ADS representative or visit our website at www.ads-pipe.com for a copy of the installation guidelines.

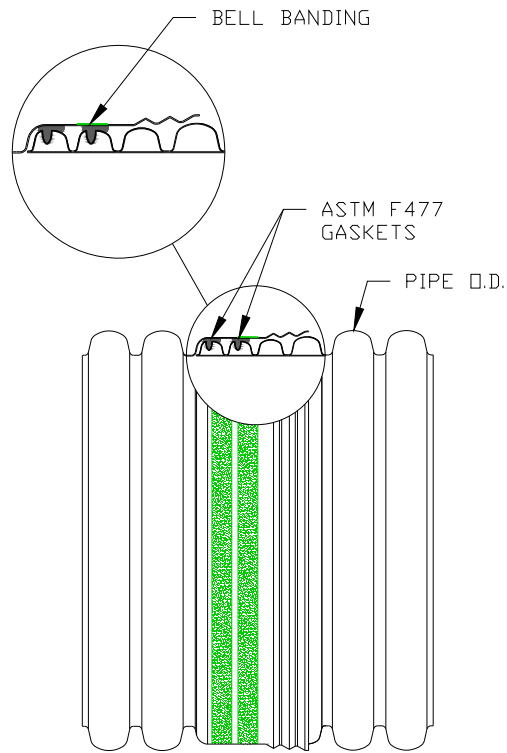
Pipe Dimensions*

Pipe I.D. in (mm)	Nominal Diameter					
	24 (600)	30 (750)	36 (900)	42 (1050)	48 (1200)	60 (1500)
Pipe O.D.* in (mm)	27.8 (719)	36 (914)	42 (1067)	48 (1219)	54 (1372)	67 (1702)
Inner Liner Thickness In. (mm)	0.07 (18)	0.07 (18)	0.095 (24)	0.105 (27)	0.105 (27)	0.105 (27)
Min. Pipe Stiffness @ 5% Deflection #/in./in. (kN/m ²)	28 (195)	28 (195)	22 (150)	20 (140)	18 (125)	14 (95)

*Pipe O.D. values are provided for reference purposes only. Values stated for 24- through 60-inch are ± 0.5 inch. Contact a sales representative for exact values.

ADS SANITITE® JOINT SYSTEM

(Joint configuration & availability subject to change without notice. Product detail may differ slightly from actual product appearance.)



24" - 60"
(600-1500 MM)