

ADS N-12® LANDFILL PIPE SPECIFICATION

Scope

This specification describes 4- through 8-inch (100-200 mm) ADS N-12 Landfill pipe for use in landfill applications.

Pipe Requirements

ADS N-12 landfill pipe shall have a smooth interior and annular exterior corrugations.

- 4- through 8-inch (100 to 200 mm) shall meet or exceed AASHTO M252, Type S and SP
- Manning’s “n” value for use in design shall be 0.012.

Joint Performance

Pipe shall utilize a bell & spigot joint or shall be plain end utilizing coupling bands. Standard connections shall meet or exceed the soil-tight requirements of AASHTO M252 and the water tight requirements of ASTM D3212. Gasketed soil-tight connections shall incorporate a closed-cell synthetic expanded rubber gasket meeting the requirements of ASTM D1056 Grade 2A2. Gasketed water tight connection shall incorporate a rubber gasket meeting the requirements of ASTM F477.

Fittings

Fittings shall conform to AASHTO M252. Bell and spigot connections shall utilize a spun-on bell and valley or saddle gasket meeting the soil-tight joint performance requirements of AASHTO M252.

Material Properties

Virgin material for pipe and fitting production shall be high density polyethylene conforming with the minimum requirements of cell classification 424420C for 4- through 8-inch (100 to 200mm) diameters, as defined and described in the latest version of ASTM D3350, except that carbon black content should not exceed 4%.

Installation

Installation shall be in accordance with ASTM D2321 and ADS published installation guidelines with the exception that minimum cover in trafficked areas shall 1 ft (0.3 m) in single run applications. Contact your local ADS representative or visit our website at www.ads-pipe.com for a copy of the latest installation guidelines.

Pipe Dimensions

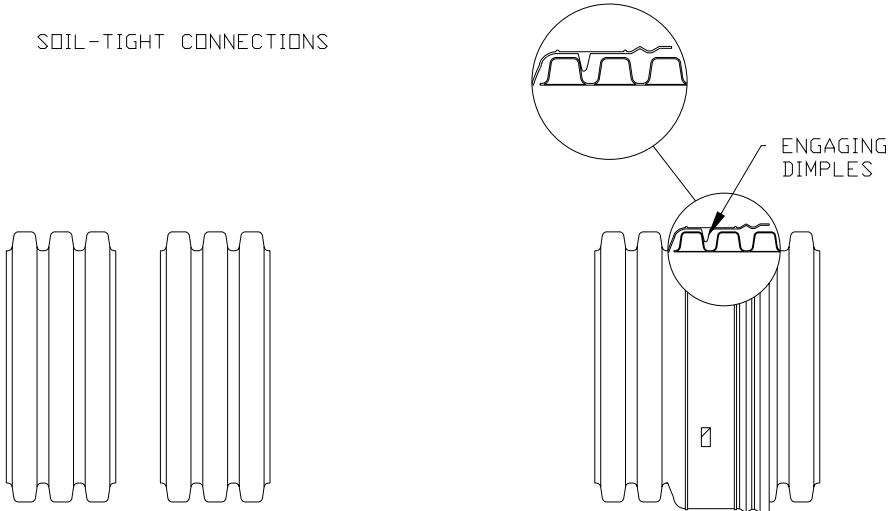
| Nominal Diameter, in (mm) | | | |
|--------------------------------|---|---------------|----------------|
| Pipe I.D. in (mm) | 4 (100) | 6 (150) | 8 (200) |
| Pipe O.D. in (mm) | 4.8 (122) | 6.9 (175) | 9.1 (231) |
| Perforations | All diameters available with or without perforations. | | |
| Pipe Stiffness pii (N/m/mm) | 70 (485) | 65 (450) | 60 (415) |
| Weight lbs/20ft (kg/6m) | 11.2 (5.1) | 21.8 (9.9) | 34.8 (15.8) |

*Check with sales representative for availability by region.

N-12® LANDFILL JOINT SYSTEM

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

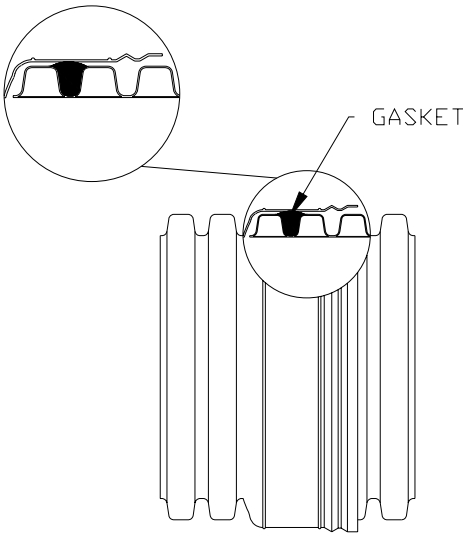
SOIL-TIGHT CONNECTIONS



PLAIN END

BELL & SPIGOT JOINT
4" - 8"
(100 - 200 MM)

WATERTIGHT CONNECTIONS



BELL & SPIGOT JOINT
4" - 8"
(100-200 MM)