

HANCOR AASHTO PIPE SPECIFICATION

Scope

This specification describes 3- through 24-inch (75 to 600 mm) Hancor AASHTO pipe for use in gravity flow drainage applications.

Pipe Requirements

Hancor AASHTO Pipe shall have annular interior and exterior corrugations.

- 3- through 10-inch (75 to 250 mm) shall meet AASHTO M252 Type C
- 12- through 24-inch (300 to 600 mm) shall meet AASHTO M294 Type C.

Joint Performance

Pipe shall be joined with coupling bands covering at least two full corrugations on each end of the pipe. Standard connections shall meet the soil-tight requirements of the AASHTO M252 and M294. Gasketed connections shall incorporate a closed-cell synthetic expanded rubber gasket meeting the requirements of ASTM D1056 Grade 2A2. Gaskets, when applicable, shall be installed by the pipe manufacturer.

Fittings

Fittings shall conform to AASHTO M252 or AASHTO M294.

Material Properties

Pipe and fittings shall be made of virgin polyethylene compounds that comply with the cell classification 424420C for 4- through 10-inch (100 to 250mm) diameters, or 435400C for 12- through 24-inch (300 to 600mm) diameters, as defined and described in ASTM D3350, except that carbon black content should not exceed 4%. The 12- through 24-inch (300 to 600mm) virgin pipe material shall comply with the notched constant ligament-stress (NCLS) test as specified in Sections 9.5 of AASHTO M294.

Installation

Installation shall be in accordance with ASTM D2321 and Hancor recommended installation guidelines with the exception that minimum cover in trafficked areas shall be one foot (0.3 m). Contact your local Hancor representative or visit our website at www.hancor.com for a copy of the latest installation guidelines.

Pipe Dimensions

	Nominal Diameter, in. (mm)								
Pipe I.D. in (mm)	3 (75)	4 (100)	6 (150)	8 (200)	10 (250)	12 (300)	15 (375)	18 (450)	24 (600)
Pipe O.D.* in (mm)	3.6 (91)	4.6 (117)	7.0 (178)	9.5 (241)	12.0 (305)	14.5 (368)	18 (457)	22 (559)	28 (711)
Perforations	All diameters available with or without perforations.								

*Pipe O.D. values are provided for reference purposes only, values stated for 3- through 24-inch are ± 0.5 inch. Contact a sales representative for exact values.

