

## HANCOR MEGA GREEN™ WT IB PIPE SPECIFICATION

### Scope

This specification describes 12- through 60-inch (300 to 1500 mm) Hancor MEGA GREEN™ WT IB pipe for use in gravity-flow applications.

### Pipe Requirements

MEGA GREEN WT IB pipe shall have a smooth interior and annular exterior corrugations.

- 12- through 60-inch (300 to 1500 mm) shall meet ASTM F 2648.
- Manning’s “n” value for use in design shall be 0.012.

### Joint Performance

Pipe shall be joined with the MEGA GREEN WT IB joint meeting the requirements of ASTM F 2648.

12- through 60-inch (300 to 1500 mm) shall be watertight according to the requirements of ASTM D3212.

Gaskets shall be made of polyisoprene meeting the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable, protective wrap to ensure the gasket is free from debris. A joint lubricant available from the manufacturer shall be used on the gasket and bell during assembly.

The MEGA GREEN WT IB Pipe shall have a reinforced bell with a bell tolerance device. The bell tolerance device shall be installed by the manufacturer.

### Fittings

Fittings shall conform to ASTM F 2306. Bell and spigot connections shall utilize a spun-on or welded bell and valley or saddle gasket.

### Field Pipe and Joint Performance

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

### Material Properties

The PE compound used for pipe and fitting production shall be high-density polyethylene conforming with the minimum requirements of cell classification 435420C, as defined and described in the latest version of ASTM D3350, except that carbon black content shall not exceed 4%.

### Installation

Installation shall be in accordance with ASTM D2321 and Hancor’s published installation guidelines, with the exception that minimum cover in trafficked areas for 12- through 48-inch (300 to 1200 mm) diameters shall be one foot. (0.3 m) and for 60-inch (1500 mm) diameters, the minimum cover shall be 2 ft. (0.6 m) in single run applications. Maximum fill height as measured from the top of the pipe to the top of the pavement shall be 8-feet. Contact your local Hancor representative or visit our website at [www.hancor.com](http://www.hancor.com) for a copy of the latest installation guidelines.

### Pipe Dimensions

	Nominal Diameter								
Pipe I.D. in (mm)	12 (300)	15 (375)	18 (450)	24 (600)	30 (750)	36 (900)	42 (1050)	48 (1200)	60 (1500)
Pipe O.D.* in (mm)	14.5 (368)	18 (457)	21 (533)	28 (711)	36 (914)	42 (1067)	48 (1219)	54 (1372)	67 (1702)

- Check with sales representative for availability by region.
- In accordance with ASTM F 2648, it is the design engineer’s responsibility to satisfy project requirements such as deflection, local and general buckling, bending strain and long-term strain. The designer is also responsible to qualify the pipe for the proposed installation conditions upon review of the qualities and the materials used in the manufactured pipe.
- \*Pipe O.D. values are provided for reference purposes only, values stated for 12- through 60-inch are ± 1 inch. Contact a sales representative for exact values.

## MEGA GREEN WT IB JOINT SYSTEM

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

