

N-12[®] MEGA GREEN[®] WT IB PIPE

Now the strength you need is good for the environment

Our new N-12 MEGA GREEN WT IB pipe offers significant performance advantages over reinforced concrete and corrugated metal pipe. Plus, it has the best watertight joint in the industry. Better yet, it's green. N-12 MEGA GREEN pipe has a minimum recycled content of 40%. You can feel better knowing that you are using a product that is actually good for the environment. Available in diameters from 12" to 60" (300 to 1500 mm).

ADS N-12 MEGA GREEN WT IB pipe contains a superior built-in bell-and-spigot joint. The joints are sealed by high-quality, factory-installed patented rubber gaskets that meet all the requirements of ASTM F477. A reinforced polyethylene bell minimizes joint distortion. Flared bell-and-spigot significantly improve ease of installation.

APPLICATIONS:

Storm Sewers	Retention/Detention
Mining/Forestry/Industrial	Roof Drainage
Ditch Enclosures	

FEATURES:

- 12" - 60" (300 to 1500 mm) diameters available
- 6 m (19 ft, 8 in) length available
- Integral bell and factory-installed gasket
- Joint meets or exceeds ASTM D3212 lab test as well as ASTM F2487 watertight field test
- Exceptional joint strength
- Excellent abrasion and corrosion resistance
- Light weight
- Fast installation times
- Structural strength that will support H-25 live loads with 1' (0.3 m) minimum cover. 60" (1500 mm) pipe requires 2' (0.6 m) cover for H-25 loads.

ADS Service: ADS representatives are committed to providing you with the answers to all your questions, including specifications, installation and more.



BENEFITS:

- Variety of diameters that will fit in any project
- Unlike pipe from other manufacturers, pipe requires no extra couplers, grout or other sealants for installation due to built-in bell and factory-installed gasket
- Installation cost savings from lower shipping costs, fewer people, and less heavy equipment required
- Hydraulic efficiency from smooth interior

ADS N-12® MEGA GREEN® WT IB PIPE SPECIFICATIONS

SCOPE

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

PIPE REQUIREMENTS

N-12 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 F2648.
- Manning's "n" value for use in design shall be 0.012.

JOINT PERFORMANCE

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 N-12 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 F2306. Bell and spigot connections shall utilize a spun-on or welded bell and valley or saddle gasket meeting the watertight joint performance requirements of ASTM F2306.

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

Material for pipe production shall be an engineered blend of virgin and recycled high density polyethylene conforming with the minimum requirements of cell classification 424420C (ESCR Test Condition B) for 4- through 10-inch (100 to 250 mm) diameters and 435420C (ESCR Test Condition B) for 12- through 60-inch (300 to 1500 mm) diameters, as defined and described in the latest version of ASTM D3350, except that carbon black content should not exceed 4%. The design engineer shall verify compatibility with overall system including structural, hydraulic, material and installation requirements for a given application.

INSTALLATION

Installation shall be in accordance with ASTM D2321 and ADS'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. Backfill for minimum cover situations shall consist of Class 1 (compacted) or Class 2 (minimum 90% SPD) material. Maximum fill heights depend on embedment material and compaction level; please refer to Technical Note 2.02. Contact your local ADS representative or visit our website at www.ads-pipe.com for a copy of the latest installation guidelines.

PIPE DIMENSIONS

Pipe I.D., in. (mm)	Nominal Diameter, 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)	22 (559)	28 (711)	36 (914)	42 (1067)	48 (1219)	54 (1372)	67 (1702)
Perforations	All diameters available with or without perforations.								

*Check with sales representative for availability by region.

**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.

ADS "Terms and Conditions of Sale" are available on the ADS website, www.ads-pipe.com. The ADS logo, the Green Stripe, N-12® and MEGA GREEN™ are registered trademarks of Advanced Drainage Systems, Inc.
© 2009 Advanced Drainage Systems, Inc. #10613/1209 (08339MH)

