

# N-12<sup>®</sup> MEGA GREEN™ ST IB PIPE

## Now the strength you need is good for the environment

Our new N-12 MEGA GREEN ST IB pipe offers significant performance advantages over reinforced concrete and corrugated metal pipe. Plus, it has the best soil-tight joint in the industry. Better yet, it's green. N-12 MEGA GREEN pipe has a minimum recycled content of 40%. N-12 MEGA GREEN is engineered with a compound of virgin and recycled high density polyethylene resins to provide impressive material properties. 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 ST IB pipe contains a superior built-in bell-and-spigot joint. The joints are sealed by high-quality, factory-installed rubber gaskets that meet all the requirements of ASTM F477. Flared bell-and-spigot significantly improve ease of installation.

### APPLICATIONS:

Storm Drains	Slope/Edge Drains
Retention/Detention	Mining/Forestry/Industrial
Golf, Turf & Recreation	Foundation Drains
Culverts/Cross Drains	Downspouts/ Roof Drainage
Grain Aeration	Land Reclamation
Waterways	Terracing
Ditch Enclosures	

### FEATURES:

- 12" – 60" (300 to 1500 mm) diameters available
- 6 m (19 ft, 8 in) length available
- Bell and spigot joint design
- In-line bell design
- 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 mm) minimum cover (60" (1500 m) 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 and lengths that will fit in any project
- Joint only requires lube for fitting – ends are pushed together for easy field installation
- Unlike pipe from other manufacturers, there are no additional gasket materials, grout or sealing bands to transport and apply
- Installation cost savings from lower shipping costs, fewer people, and less heavy equipment required
- Hydraulic efficiency from smooth interior

## ADS N-12 MEGA GREEN ST IB PIPE SPECIFICATIONS

### SCOPE

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

### PIPE REQUIREMENTS

N-12 MEGA GREEN ST 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

Pipe shall be joined using a bell & spigot joint meeting ASTM F2648. The joint shall be soil-tight and gaskets, when applicable, 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. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly.

### 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 soil-tight joint performance requirements of ASTM F2306.

### MATERIAL PROPERTIES

Material for pipe production shall be an engineered compound 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](http://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  $\pm 1$  inch. Contact a sales representative for exact values.

