



ENVIRONMENTAL SOLUTIONS™ SMOOTHWALL PIPE

THE PERFORMANCE YOU EXPECT. THE INNOVATIONS YOU NEED.

With over 110 years experience, Hancor has provided expert knowledge and innovative product solutions proven in a wide range of field drainage applications. Our HDPE pipe delivers superior value while providing physical strength, structural design that just cannot be matched by metal or concrete. Environmental Solutions Smoothwall Pipe is made with recycled HDPE from post-consumer and industrial sources.

A VERSATILE, FUNCTIONAL AND ECONOMICAL PIPE FOR A VARIETY OF APPLICATIONS:

- Waste management absorption fields
- Golf course drainage
- Downspouts
- Sidewalk "culverts"
- Irrigation Ditch Enclosures
- Basement and foundation drainage
- Temporary plumbing
- Terrace risers
- Waterway Terracing

FEATURES & BENEFITS

- All materials used, recycled and virgin HDPE resins alike, are tested in accordance with ASTM D1248 and ASTM D3350 and meet or exceed all requirements.
- Made with a white high density polyethylene layer around a black polyethylene core to form a lightweight pipe with excellent beam stiffness.
- Unaffected by extended exposure to the sun's heat and ultraviolet radiation. Immune to freeze/thaw conditions and continuous subzero temperatures.
- Corrosion resistant to acids, alkalies, and salts. Will not rust.
- Safe, easy, efficient installations without breaking, splitting, or cracking. More impact resistant than PVC, ABS, or styrene.
- Long-term performance without costly maintenance or replacement.
- Constructed with bell-and-spigot ends for soil-tight joints.
- Available in 10' (3m) lengths; 3", 4", and 6" (75, 100 and 150mm) diameters; with three different hole patterns.



**On-Site Waste
Management**

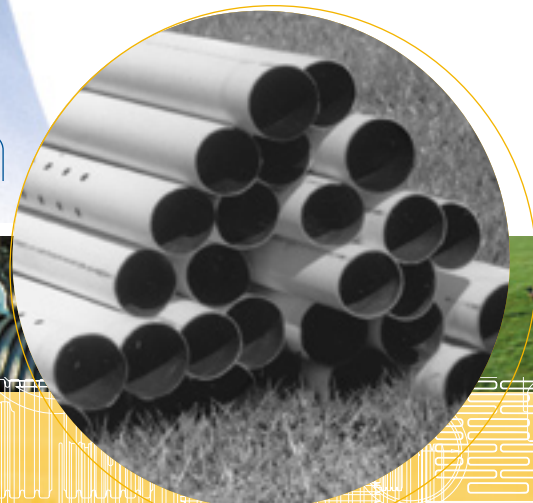


**Golf Courses and Area
Drainage**



**Downspout and
Foundation Drainage**

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





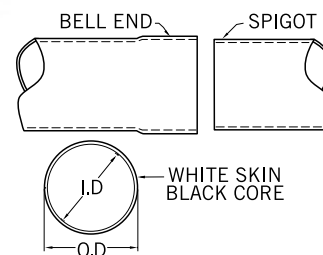
SMOOTHWALL SEWER & DRAIN PIPE SPECIFICATIONS

Diameter: 3", 4" and 6" (75, 100 and 150mm)

Length: 10' (3m)

Specifications: ASTM F810

Joints: Bell-and-spigot; belled ends shall be integrally formed with the pipe and be at least 2" (50 mm) plus or minus 1/2" (13 mm) in length.



SCOPE

This specification describes Hancor Smoothwall Sewer & Drain pipe in 3", 4", and 6" (75, 100 and 150mm) diameters for use in nonpressure drainage and leachfield applications.

Available Lengths: 10-foot (3m)

PIPE REQUIREMENTS

- Hancor Smoothwall Sewer & Drain pipe shall meet the requirements of ASTM F810.
- It shall have a smooth interior and exterior.
- Manning's "n" value for use in design shall not be less than 0.009.

JOINT PERFORMANCE

Pipe joints shall be bell-and-spigot. Bell ends shall be integrally formed on the pipe at one end to form a soil-tight connection.

MATERIAL PROPERTIES

Pipe material shall be high density polyethylene meeting ASTM D3350-04 minimum cell classification 424420C or E; or ASTM D1248 Type III, Class B or C, Category 4, Grade P33.

INSTALLATION

For nonpressure drainage applications, installation shall be in accordance with ASTM D2321 and Hancor's published installation guidelines with the exception that minimum cover in trafficked areas shall be one foot (0.3m). For leachfield applications, installation shall be in accordance with ASTM F481 and as regulated by regional, state, and local agencies. Proper authorization for specific applications and designs should be obtained prior to installation to ensure suitability in certain locales. Contact your local Hancor representative or visit our website at www.hancor.com for a copy of the latest installation guidelines.

NOMINAL DIAMETER, in. (mm)

Nominal Pipe I.D., in. (mm)	3 (75)	4 (100)	6 (150)
Approx. Pipe O.D., in. (mm)	3.25 (83)	4.215 (107)	6.275 (159)
Approx. Weight lb./ft. (kg/m)	0.35 (0.52)	0.55 (0.82)	1.17 (1.74)
SDR Rating	38	38	43
Pipe Stiffness Pii (kPa)	19 (131)	11 (76)	8 (55)
Perforations	All diameters available with or without perforations.		

All sales of Hancor product are subject to a limited warranty and purchasers are solely responsible for installation and use of Hancor products and determining whether a product is suited for any specific needs. Please consult a full copy of Hancor's Terms and Conditions for Sale for further details.

DIRECT CONTACT

Customer Service

888-FOR PIPE (367-7473)

Fax 888-FAX PIPE (329-7473) 24 hours a day

ELECTRONIC MEDIA

Web Site

Find market- and application-specific information and the latest industry news at our On-Line Pipeline – www.hancor.com