HANCOR N-12® HP 12”–30” PIPE FOR SANITARY SEWER APPLICATIONS

A new addition to our proven product line, N-12 HP (High Performance) couples advanced polypropylene resin technology with a highly engineered, dual-wall profile design for superior performance that far surpasses other traditional pipe products currently offered.

N-12 HP utilizes a 2” wide polymer composite fused to the outside of the integral bell, improving the joint’s integrity and tolerance control. Coupled with the superior strength of polypropylene, the product’s smooth interior wall offers additional strength as well as the superior flow rates.

The HP dual wall design is available in 12”–30” diameters and a standard length of 20’ with shorter 13’ lengths available.

APPLICATIONS:
Sanitary sewer systems
High performance drainage installations
Gray water transmission

FEATURES & BENEFITS
• Advanced polypropylene resin technology
• Highly-engineered dual-wall construction
• Lighter weight pipe for ease of handling
• Longer pipe lengths
• Superior pipe stiffness
• Greater beam strength
• Polymer composite reinforced bell
• Dual gasket spigot design
• Significant installed cost savings
• Fewer joints maximizes system performance
• Flexible joint alignment
• Corrosion and abrasion resistant
• Enhanced jobsite performance
• Enhanced jobsite durability
• Distinctive gray color provides immediate differentiation from standard black HDPE pipe
• Gray interior aids post installation inspection
• Superior joint performance
• Standard and custom fittings available
• Excellent line and grade performance
• Inert to Sulfuric Acid

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.
HANCOR N–12® HP 12”–30” SANITARY PIPE SPECIFICATION

SCOPE
This specification describes 12- through 30-inch (300 to 750 mm) Hancor N-12 HP 12”–30” sanitary pipe for use in gravity-flow applications.

PIPE REQUIREMENTS

- 12-30” (300 to 750 mm) N–12 HP pipe shall have a smooth interior and annular exterior corrugations.
- 12-30” (300 to 750 mm) N–12 HP shall have minimum pipe stiffness of 46 pii when tested in accordance with ASTM D2412.
- Manning’s “n” value for use in design shall be 0.012.

JOINT PERFORMANCE
Pipe shall be joined with the N-12 HP gasketed integral bell & spigot joint.

12- through 30- inch (300 to 750 mm) shall be watertight according to the requirements of ASTM D3212. Spigot shall have two o-ring gaskets meeting the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable, protective wrap to ensure the gaskets are free from debris and damage. A joint lubricant available from the manufacturer shall be used on the gaskets and bell during assembly.

12- through 30-inch (300 to 750 mm) diameters, the bell will be reinforced with a polymer composite band.

FITTINGS
Bell and spigot connections shall utilize a spun–on, welded or integral bell and a spigot with gaskets meeting ASTM F477. Fitting joints shall meet the watertight joint performance requirements of ASTM D3212.

FIELD PIPE AND JOINT PERFORMANCE
To assure watertightness, field performance verification may be accomplished by testing in accordance with ASTM F1417 or ASTM F2487. Appropriate safety precautions must be used when field-testing any pipe material. Contact the manufacturer for recommended leakage rates.

MATERIAL PROPERTIES
Virgin material for pipe and fitting production shall be impact modified copolymer polypropylene conforming with the requirements of ASTM D4101.

INSTALLATION
Installation shall be in accordance with ASTM D2321 and Hancor’s recommended installation guidelines, with the exception that minimum cover in traffic areas for 12- through 30- inch (300 to 750 mm) diameters shall be 1’ (0.3 m). Backfill for minimum cover situations shall consist of Class 1, or Class 2 (minimum 90% SPD) material. Maximum fill heights depend on embedment material and compaction level; please refer to the Hancor Technical Note 2.04. Contact your local Hancor representative or visit our website at www.hancor.com for a copy of the recommended installation guidelines.

PIPE DIMENSIONS

<table>
<thead>
<tr>
<th>Nominal Diameter, in (mm)</th>
<th>12 (300)</th>
<th>15 (375)</th>
<th>18 (450)</th>
<th>24 (600)</th>
<th>30 (750)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipe I.D., in. (mm)</td>
<td>14.5 (368)</td>
<td>18 (457)</td>
<td>21 (533)</td>
<td>28 (711)</td>
<td>36 (914)</td>
</tr>
<tr>
<td>Pipe O.D. *, in. (mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Pipe O.D. values are provided for reference purposes only, values stated for 12- through 30-inch are ± 1 inch. Contact a sales representative for exact values.

Hancor “Terms and Conditions of Sale” are available on the Hancor web site, www.hancor.com