HANCOR BLUE SEAL® PIPE (per AASHTO) SPECIFICATIONS

Scope
This specification describes 1050 to 1500 mm (42- through 60-inch) Hancor BLUE SEAL WT IB pipe (per AASHTO) for use in gravity flow applications.

Pipe Requirements
BLUE SEAL® pipe shall have a smooth interior and annular exterior corrugations.
- 1050 to 1500 mm (42- through 60-inch) shall meet AASHTO M294, Type S or SP, or ASTM F2306.
- Manning’s “n” value for use in design shall be 0.012.

Joint Performance
Pipe shall be joined with the BLUE SEAL WT IB joint meeting the requirements of AASHTO M294, or ASTM F2306.

1050 to 1500 mm (42- through 60-inch) shall be watertight according to the requirements of ASTM D3212. Gaskets shall meet 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.

1050 to 1500 mm (42- through 60-inch) diameters shall have a reinforced bell with a polymer composite band. The bell tolerance device shall be installed by the manufacturer.

Fittings
Fittings shall conform to AASHTO M294, or 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 AASHTO M294 or 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
Virgin material for pipe and fitting production shall be high-density polyethylene conforming with the minimum requirements of cell classification 435400C, as defined and described in the latest version of ASTM D3350, except that carbon black content should not exceed 4%. The virgin pipe material shall comply with the notched constant ligament-stress (NCLS) test as specified in Section 9.5 and 5.1 of AASHTO M294 and ASTM F2306, respectively.

Installation
Installation shall be in accordance with ASTM D2321 and Hancor recommended installation guidelines with the exception that minimum cover in trafficked areas for 1050 and 1200 mm (42- and 48-inch) diameters shall be 0.3 m (one foot) and for 1350 and 1500 mm (54- and 60-inch) diameters shall be 0.6 m (2 ft) in single run applications. Backfill for minimum cover situations shall consist of Class 1, Class 2 (minimum 90% SPD) or Class 3 (minimum 90%) material. Maximum fill heights depend on embedment material and compaction level; please refer to Technical Note 2.01. Contact your local Hancor representative or visit our website at www.hancor.com for a copy of the latest installation guidelines.

Pipe Dimensions

<table>
<thead>
<tr>
<th>Nominal Diameter, mm (in)</th>
<th>Pipe I.D. mm (in)</th>
<th>Pipe O.D.* mm (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1050 (42)</td>
<td>1219 (48)</td>
<td>1549 (61)</td>
</tr>
<tr>
<td>1200 (48)</td>
<td>1372 (54)</td>
<td>1702 (67)</td>
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<tr>
<td>1350* (54)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1500 (60)</td>
<td></td>
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</tbody>
</table>

*Check with sales representative for availability by region.
**Pipe O.D. values are provided for reference purposes only, values stated for 1050 to 1500 mm are ± 25 mm. Contact a sales representative for exact values.
BLUE SEAL® (per AASHTO) JOINT SYSTEM

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