**ADS SANITITE® HP 12”- 60” PIPE SPECIFICATION**

**Scope**
This specification describes 12- through 60-inch (300 to 1500 mm) ADS SaniTite HP pipe for use in gravity-flow sanitary sewer applications.

**Pipe Requirements**
ADS 12”-30” (300 to 750mm) SaniTite HP dual wall pipe shall have a smooth interior and annular exterior corrugations; 30”-60” (750 to 1500mm) SaniTite HP triple wall pipe shall have a smooth interior and exterior surfaces with annular inner corrugations.

- 12- through 30-inch (300 to 750 mm) dual wall pipe shall meet ASTM F2764
- 30- through 60-inch (750 to 1500 mm) triple wall pipe shall meet ASTM F2764
- 12- through 60-inch (300 to 1500 mm) pipe shall have a 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 using a bell and spigot joint meeting the requirements of ASTM F2764. The joint shall be watertight according to the requirements of ASTM D3212, with the addition of a 15 psi pressure requirement. 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 gaskets are free from debris. A joint lubricant available from the manufacturer shall be used on the gasket and bell during assembly. 12- through 60-inch (300 to 1500 mm) diameters shall have a reinforced bell with a polymer composite band installed by the manufacturer.

**Fittings**
Fittings shall conform to ASTM F2764. Bell and spigot connections shall utilize a welded or integral bell and valley or inline gaskets meeting 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**
Polypropylene compound for pipe and fitting production shall be an impact modified copolymer meeting the material requirements of ASTM F2764.

**Installation**
Installation shall be in accordance with ASTM D2321 and ADS recommended installation guidelines, with the exception that minimum cover in traffic areas for 12- through 48-inch (300 to 1200 mm) diameters shall be one foot (0.3 m) and for 60-inch (1500mm) diameter the minimum cover shall be 2-ft (0.6m) 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 2.05. Contact your local ADS representative or visit our website at www.ads-pipe.com for a copy of the latest installation guidelines.

### Pipe Dimensions

<table>
<thead>
<tr>
<th>Nominal Pipe I.D. in (mm)</th>
<th>12 (300)</th>
<th>15 (375)</th>
<th>18 (450)</th>
<th>24 (600)</th>
<th>30 (750)</th>
<th>36 (900)</th>
<th>42 (1050)</th>
<th>48 (1200)</th>
<th>60 (1500)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Pipe I.D. in (mm)</td>
<td>12.1 (307)</td>
<td>14.9 (378)</td>
<td>18.0 (457)</td>
<td>24.1 (612)</td>
<td>30.1 (765)</td>
<td>35.7 (907)</td>
<td>41.8 (1062)</td>
<td>47.3 (1201)</td>
<td>59.3 (1506)</td>
</tr>
<tr>
<td>Average Pipe O.D. in (mm)</td>
<td>14.5 (368)</td>
<td>17.6 (447)</td>
<td>21.2 (538)</td>
<td>28.0 (711)</td>
<td>35.5 (902)</td>
<td>41.5 (1054)</td>
<td>47.4 (1199)</td>
<td>54.1 (1374)</td>
<td>67.1 (1705)</td>
</tr>
</tbody>
</table>

*OD values listed above are NOT for manhole connector sizing. See ADS Standard Detail 205A-F for the recommended manhole connector based on product and diameter.*