Adapting to Other Materials

At Polypipe Terrain, we like to create products that can be adapted to fit other components and therefore present you with a wide range of solutions. That’s why we’re using our first technical bulletin of 2017 as an opportunity to illustrate how to adapt our systems to other materials.

The tables below shows the different pipe materials available as well as their internal and external diameters. Within this document we will explain how to connect these systems with a Terrain system.

Key Features
Specific products for adapting in direction of flow.

<table>
<thead>
<tr>
<th>Material</th>
<th>OD Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC-u</td>
<td>36mm 43mm 56mm 82mm 110mm 160mm</td>
</tr>
<tr>
<td>PP</td>
<td>35mm 41mm 54mm</td>
</tr>
<tr>
<td>HDPE</td>
<td>40mm 50mm 56mm 90mm 110mm 160mm</td>
</tr>
<tr>
<td>dB12</td>
<td>40mm 50mm 110mm 160mm</td>
</tr>
<tr>
<td>Iron</td>
<td>42mm 47.8mm 60mm</td>
</tr>
<tr>
<td>Copper</td>
<td>35mm 42mm 54mm 108mm</td>
</tr>
<tr>
<td>Clay</td>
<td>100mm</td>
</tr>
<tr>
<td>Vulcathene</td>
<td>48mm 60mm 89mm 114mm</td>
</tr>
<tr>
<td>Cast Iron</td>
<td>112mm</td>
</tr>
<tr>
<td>Ridgidrain</td>
<td>118mm 176mm</td>
</tr>
<tr>
<td>Chrome</td>
<td>32mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material</th>
<th>ID Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC-u</td>
<td>32mm 39mm 52mm 76mm 104mm 154mm</td>
</tr>
<tr>
<td>PP</td>
<td>31mm 37mm 50mm</td>
</tr>
<tr>
<td>HDPE</td>
<td>34mm 44mm 50mm 83mm 101mm 148mm</td>
</tr>
<tr>
<td>dB12</td>
<td>36mm 46mm 104mm</td>
</tr>
<tr>
<td>Iron</td>
<td>32mm 38mm 50mm</td>
</tr>
<tr>
<td>Copper</td>
<td>32mm 39mm 51mm 104mm</td>
</tr>
<tr>
<td>Clay</td>
<td>76mm</td>
</tr>
<tr>
<td>Vulcathene</td>
<td>38mm 51mm 76mm 102mm</td>
</tr>
<tr>
<td>Cast Iron</td>
<td>98mm</td>
</tr>
<tr>
<td>Ridgidrain</td>
<td>100mm 150mm</td>
</tr>
<tr>
<td>Chrome</td>
<td>28mm</td>
</tr>
</tbody>
</table>

Note: Pipes to be chamfered and lubricated when being used with ring seal, use 9136.250L Silicone grease.


For more information please call our Technical Team on 01622 795200.
Adapting to Other Materials

PVC-u - dB12

Key Features
Specific products for adapting in direction of flow.

Direction of flow

Note: Pipes to be chamfered and lubricated when being used with ring seal, use 9136.250L Silicone grease.


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**FUZE (HDPE) - PVC-u**

**Direction of flow**

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PP - PVC-u

Key Features
Specific products for adapting in direction of flow.

### Direction of Flow

- **32mm PP**
  - OD: 300.125.30
  - Direction: 225.125
  - ID: 200.125.40

- **40mm PP**
  - OD: 300.15.30
  - Direction: 225.15
  - ID: 200.15.40

- **50mm PP**
  - OD: 300.2.30
  - Direction: 225.2
  - ID: 200.2.40

- **50mm PVC-u**
  - OD: 200.2.40

- **40mm PVC-u**
  - OD: 200.15.40

- **32mm PVC-u**
  - OD: 200.125.40

- **32mm Copper**
  - OD: 200.125.40

- **40mm Copper**
  - OD: 200.15.40

- **35mm Copper**
  - OD: 200.125.40

Note: Pipes to be chamfered and lubricated when being used with ring seal, use 9136.250L Silicone grease.

References:
1. Terrain Soil and Waste Product Installation Guide
2. BSEN12056 Gravity drainage systems inside buildings. Sanitary pipework, layout and calculation.

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Adapting to Other Materials

Iron - PVC-u

Key Features
Specific products for adapting in direction of flow.

Direction of flow

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Direction of flow

Clay - PVC-u

- DN100 Clay pipe
- Cold caulked
- 110mm PVC-u 4DP58

Copper - PVC-u

- 108mm Copper pipe
- Replace seal in 110P.4 with 9149
- 110mm PVC-u 100.4.40

Cast Iron - PVC-u

- DN100 Cast Iron pipe
- Clay or Cement
- Heat shrink sleeve requires blow torch
- 110mm PVC-u 100.4.40

Vulcathene - FUZE (HDPE)

- ID-38mm / 1 1/2"
- 50mm HDPE 900.50.30
- 912.50

- ID-51mm / 2"
- 63mm HDPE 900.63.30
- 912.63

- ID-76mm / 3"
- 90mm HDPE 900.90.30
- 912.90

- 90mm FUZE (HDPE) 900.90.30
- 927.90

Note: Pipes to be chamfered and lubricated when being used with ring seal, use 9136.250L Silicone grease.


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Adapting to Other Materials

Chrome - PVC-u

Chrome - FUZE (HDPE)

PVC-u - FUZE (HDPE)

Vulcathene - FUZE (HDPE)

Key Features
Specific products for adapting in direction of flow.

Direction of flow

Note: Pipes to be chamfered and lubricated when being used with ring seal, use 9136.250L Silicone grease.
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Technical Bulletin

PVC-u - Ridgidrain*

Key Features
Specific products for adapting in direction of flow.

Direction of flow

* Products available from Polypipe Civils

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Traps - FUZE (HDPE)

Direction of flow

32mm trap
411.125W

40mm trap
411.15W

40mm FUZE (HDPE)
900.40.30

50mm FUZE (HDPE)
900.50.30

5902-PSS

PRE7054/DAO

Note: Pipes to be chamfered and lubricated when being used with ring seal, use 9136.250L Silicone grease.

References:
2. BSEN12056 Gravity drainage systems inside buildings. Sanitary pipework, layout and calculation.

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Contact Us
to find out about our Technical Workshop

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Polypipe, New Hythe Business Park, College Road, Aylesford, Kent ME20 7PJ
Tel: +44 (0) 1622 795200 Fax: +44 (0) 1622 716796 Email: commercialenquiries@polypipe.com
www.polypipe.com/commercial-building-services