Domestic Channel Drainage Systems

The Hepworth range of domestic channel drainage products offers a complete and integrated surface water drainage systems for all domestic applications.

Range
The Hepworth domestic channel drainage range consists of:

- **HepFlow® Linear Drainage** - domestic polymer concrete drainage system.
- **HepFlow® Linear Drainage** - polypropylene channel drainage system.
- **Hepworth Threshold Drain** - PVCU drainage system.

Applications
- Garden paths
- Walkways
- Patios
- Barbecue areas
- Pool surrounds
- Domestic driveways
- Stepped areas
- Sports courts
- Cycle paths
- Laundry rooms

### Hepworth Domestic Channel Drainage Summary

<table>
<thead>
<tr>
<th>System</th>
<th>Description</th>
<th>Load Classifications</th>
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<tbody>
<tr>
<td><strong>HepFlow® Polymer Concrete</strong></td>
<td>Lightweight, polymer concrete, domestic channel supplied complete with galvanised grating and fixings, suitable for domestic driveways and pedestrian areas around domestic property.</td>
<td>A15</td>
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<tr>
<td><strong>HepFlow® Polypropylene</strong></td>
<td>Lightweight recycled polypropylene channel supplied complete with recycled polypropylene grating. Provision for bolting if required. Suitable for applications such as paths, patios and gardens.</td>
<td>A15</td>
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<tr>
<td><strong>Hepworth PVCU Threshold Drain</strong></td>
<td>Lightweight, PVCU threshold drain, designed to be used in front of doorways enabling level access as required by Part M of the Building Regulations. The threshold drain is complemented by a selection of ancillary products, which enable a connection to the drainage system.</td>
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Features and Benefits

**HepFlow® Polymer Concrete**
- 1m length, 80mm overall depth
- Made of polymer concrete - 75% lighter than traditional concrete
- Lightweight and easy to install
- Suitable for class A15 applications
- Supplied complete with galvanised grating and fixing mechanism

**HepFlow® Polypropylene**
- 1m length, 130mm overall depth
- Made of lightweight, recycled polypropylene
- Suitable for class A15 applications - Including threshold (front of doorway)
- Polypropylene grating has:
  - Anti-slip design
  - No metal parts
  - Self locking slot-fit system
- Channel connects by positive joint, without sealant for quick, easy and level installation
- HepFlow® ancillaries available:
  - End Cap (HFEC)
  - Corner Sections (HFCR, HFCL)
  - Tee Sections (HFTR, HFTL)
  - Sump Unit (HFSU)
  - Leaf Trap (HFLT)
  - Outlet End Cap (HFHA)
  - Adaptor to Clay (HFCA)

**Hepworth Threshold Drain**
- 1.2m length, 128mm overall depth
- Made of high quality PVCu
- Low visual impact - No unsightly grid in front of your door
- Quick and easy to install - Before or after door installation
- Inexpensive to install compared to other systems
- Simple to maintain - It is easy to remove the grid, clean and replace
- Universal - Connects to clay or plastic drainage systems
Typical Installation for Domestic Channel Drainage System

Hepworth Domestic Channel Drainage Systems have been designed for quick and easy installation. No special tools are required. Just follow this simple step-by-step guide. (HepFlow example used).

1. Excavation

Excavate a trench of sufficient length for the channel run to accommodate a sufficient channel bed and surround.

2. Setting out

Lay out the channel units alongside the trench, starting at the outlet.

3. Creating outlet

Using an appropriate tool cut out the relevant vertical outlet ready to connect to suitable pipework.

4. Bedding

Create a 100mm bed of good quality concrete along the base of the trench.

5. Laying out units & checking alignment

Starting at the outlet simply slot each channel together using the male/female inter-locks. Lay onto the concrete bed, ensuring that the drain connection is correctly located and fitted. Fit the end plates to complete the channel run and check the overall alignment of the channels.

6. Adding concrete surround

Haunch the sides of the channel with concrete, ensuring that the channel will be 3mm below the level of the surrounding surface finish material.

7. Finishing off

Allow the concrete to set. Add surrounding surface finish material if not using concrete alone. Ensure that any loose debris is removed from the channels.