

## ACO HexDrain® Pro installation



Dig trench, allowing for width of channel plus 150mm each side for concrete haunch and depth of channel plus 150mm for concrete bedding. Allow also for 150mm concrete around and beneath sump unit. Mark finishing height with fixed line 3mm below final surface. Lay 150mm (min) bed of concrete.



Knock out pre-formed outlet from the inside (marked with hammer symbol) and trim edges with a chisel. Fit outlet connector and sump. Position sump and outlet channel on concrete bed, fit U-PVC union/trap to drainage pipework.



Lay channels starting from outlet/sump, ensuring joints connect by lowering units horizontally. Fit end caps to end channels. For fully watertight joints, use a suitable sealant (contact ACO for further advice).



With gratings fitted, haunch around channels/sumps with concrete. Final surface to be 3mm above grating. Bricks/paviours should be laid in mortar for lateral stability.

## Why choose ACO HexDrain® Pro?

- ✓ Provides effective drainage for a wide range of surface areas
- ✓ Suitable for light to medium duty traffic applications
- ✓ HexTechnology™: Strong and robust channel design
- ✓ Heelguard™ grating suitable for pedestrian traffic
- ✓ Light weight for easy installation
- ✓ Outlet available by gullies, sumps or channel knockout
- ✓ 100% recyclable
- ✓ Unique ACO Drainlock™ grating fixing reduces blockage and improves hydraulic capacity
- ✓ CE marked and fully certified to BS EN 1433:2002 Load Class B 125 / C 250

### ACO HexDrain® Pro 100 channel assembly

| Product Code | Description                             | Length mm | Width mm | Depth mm | Invert mm | Invert Type | Weight kg |
|--------------|---|-----------|----------|----------|-----------|-------------|-----------|
| 11025        | Channel with black composite grating 1m | 1000      | 138      | 150      | 125       | 1           | 3.7       |

### ACO HexDrain® Pro 100 accessories

| Product Code | Description                                  | Length mm | Width mm | Depth mm | Invert mm | Invert Type | Weight kg |
|--------------|--|-----------|----------|----------|-----------|-------------|-----------|
| 11086        | Universal end cap for ACO HexDrain® Pro 100  | 11        | 138      | 150      | -         | -           | 0.1       |
| 11285        | Ø110mm vertical outlet connector             | -         | Ø110     | 60       | -         | -           | 0.1       |
| 11286        | Ø160mm vertical outlet connector             | -         | Ø160     | 80       | -         | -           | 0.2       |
| 11191        | Ø110mm roddable foul air-trap                | 240       | Ø110     | 400      | -         | -           | 1.2       |
| 11192        | Ø160mm roddable foul air-trap                | 340       | Ø160     | 415      | -         | -           | 1.4       |
| 11385        | Black plastic sump assembly c/w silt bucket* | -         | Ø160     | 510      | -         | -           | 3.0       |

\* Sump assembly consists of a Ø160mm vertical outlet connector, silt bucket and sump body. Sump unit: Ø110mm outlet (upper) invert height to F.G.L = 362mm. Ø110mm or Ø160mm outlet (lower) invert height to F.G.L = 632mm.

### ACO HexDrain® Pro 150 channel assembly

| Product Code | Description                          | Length mm | Width mm | Depth mm | Invert mm | Invert Type | Weight kg |
|--------------|--------------------------------------|-----------|----------|----------|-----------|-------------|-----------|
| 25150        | Channel with ductile iron grating 1m | 1000      | 188      | 210      | 170       | 1           | 15.9      |

### ACO HexDrain® Pro 150 accessories

| Product Code | Description                                  | Length mm | Width mm | Depth mm | Invert mm | Invert Type | Weight kg |
|--------------|--|-----------|----------|----------|-----------|-------------|-----------|
| 11093        | Universal end cap for ACO HexDrain® Pro 150  | 11        | 188      | 210      | -         | -           | 0.14      |
| 11288        | Ø160mm vertical outlet connector             | -         | Ø160     | 80       | -         | -           | 0.3       |
| 11191        | Ø110mm roddable foul air-trap                | 240       | Ø110     | 400      | -         | -           | 1.2       |
| 11192        | Ø160mm roddable foul air-trap                | 340       | Ø160     | 415      | -         | -           | 1.4       |
| 11386        | Black plastic sump assembly c/w silt bucket† | -         | Ø160     | 510      | -         | -           | 3.7       |

† Sump assembly consists of a Ø160mm vertical outlet connector, silt bucket and sump body. Sump unit: Ø110mm outlet (upper) invert height to F.G.L = 422mm. Ø110mm or Ø160mm outlet (lower) invert height to F.G.L = 692mm.

### ACO HexDrain® Pro 200 channel assembly

| Product Code | Description                          | Length mm | Width mm | Depth mm | Invert mm | Invert Type | Weight kg |
|--------------|--------------------------------------|-----------|----------|----------|-----------|-------------|-----------|
| 25200        | Channel with ductile iron grating 1m | 1000      | 238      | 265      | 220       | 1           | 23.9      |

### ACO HexDrain® Pro 200 accessories

| Product Code | Description                                  | Length mm | Width mm | Depth mm | Invert mm | Invert Type | Weight kg |
|--------------|--|-----------|----------|----------|-----------|-------------|-----------|
| 11098        | Universal end cap for ACO HexDrain® Pro 200  | 11        | 238      | 265      | -         | -           | 0.21      |
| 11289        | Ø200mm vertical outlet connector             | -         | Ø200     | 100      | -         | -           | 0.4       |
| 11192        | Ø160mm roddable foul air-trap                | 340       | Ø160     | 415      | -         | -           | 1.4       |
| 11387        | Black plastic sump assembly c/w silt bucket§ | -         | Ø200     | 510      | -         | -           | 4.9       |

§ Sump assembly consists of a Ø200mm vertical outlet connector, silt bucket and sump body. Sump unit: Ø110mm outlet (upper) invert height to F.G.L = 477mm. Ø160mm or Ø200mm outlet (lower) invert height to F.G.L = 747mm.



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PC20533



CHANNELS WITH  
TRADITIONAL GRATINGS

# ACO HexDrain® Pro System

High quality, high strength general  
purpose channel drainage system



www.aco.co.uk



# ACO HexDrain® Pro system overview

Manufactured from recycled polypropylene, ACO HexDrain® Pro is a high quality channel drainage system ideal for light to medium duty traffic applications.

The high strength 1m black plastic channel has integral edge rails for improved strength and comes complete with Heelguard™ black gratings fitted with ACO's Drainlock™ boltless locking system.

The system benefits from HexTechnology™, an advanced process of plastic design and manufacturing technology. The hexagonal structure of the channel provides exceptional strength and rigidity whilst keeping weight to a minimum.

To support a wide variety of catchment areas, hydraulic capacities and applications, the system is available in three channel widths:

ACO HexDrain® Pro 100 = 100mm wide

ACO HexDrain® Pro 150 = 150mm wide

ACO HexDrain® Pro 200 = 200mm wide



**B 125** Pedestrian precincts, light vehicles, private car parks and drives.



**C 250** Public parking areas, service stations (cars) and slow-moving light commercial vehicles



## Typical applications

- ▶ Commercial developments
- ▶ Light industrial units
- ▶ Pedestrian precincts
- ▶ Private and public parking
- ▶ Residential developments
- ▶ Schools

# Features

Anti-shunt device prevents grating movement once installed

Heelguard™ gratings with 8mm slots

CE marked and fully certified to BS EN 1433:2002 Load Class B 125 / C 250

The ACO HexDrain® Pro system is available in three channel widths: 100mm, 150mm and 200mm

Male and female channel connections clip together for quick and simple installation

Sealant groove for simple watertight installations

V-shaped ultra smooth channel bore improves speed of water flow and promotes self cleansing

Side knockout for 90° channel connection

ACO Drainlock™ grating – this bar-less locking system improves hydraulic capacity and allows quick and simple installation of gratings

Minimum concrete level markings to aid installation

Cutting guide to create half metre channels

Vertical knockout for connection to U-PVC pipe or sump via vertical outlet connectors

Textured external surfaces and anchors key product securely into concrete surround

Protective plastic edge rail for improved strength

## ACO HEXDRAIN PRO GRATINGS

### ACO HexDrain® Pro 100

This system comes complete with 8mm slotted Heelguard™ black composite gratings.

### ACO HexDrain® Pro 150 and 200

These systems come complete with 8mm slotted Heelguard™ ductile iron gratings.



## ACO HEXDRAIN PRO ACCESSORIES



Vertical outlet connector



Universal end cap



Sump unit with silt bucket



Foul air-trap



ACO Universal Gully\*

\*For information on ACO Universal Gully please refer to [www.aco.co.uk](http://www.aco.co.uk)