

Uniclass L7315	EPIC J3413
Cl/SfB (52.5)	

ACO Water Management: Urban + Landscape

ACO CivicDrain®

- ✓ Provides an effective drainage solution for light to medium duty traffic applications
- ✓ Strong and robust channel design
- ✓ Heelguard™ grating suitable for pedestrian traffic
- ✓ Galvanised steel channel edge rail for improved strength and bonding
- ✓ Manufactured from Vienite®, ACO's high strength recycled polymer concrete
- ✓ Channel design improves flow velocity, promotes self cleansing
- ✓ Outlet available by gullies, sumps or channel knockout
- ✓ Unique ACO Drainlock™ grating fixing reduces blockage and improves hydraulic capacity
- ✓ CE marked and fully certified to Load Class C 250 BS EN 1433:2002



ACO CivicDrain®

High quality, high strength general purpose channel drainage system

ACO CivicDrain® is a lightweight channel drainage system for light to medium duty traffic applications.

Manufactured from Vienite®, ACO's high strength recycled polymer concrete, the 1m channel has a 100mm wide bore and is available in three channel depths to create a stepped system where required.

The channel unit comes complete with black composite Heelguard™ gratings and protective galvanised steel edge rails.

Accessories available include a sump and gully unit to provide connection to underground drainage networks, foul air trap and multifunctional end cap for closing or outlet connections to Ø110mm PVC-U pipes.

Typical applications

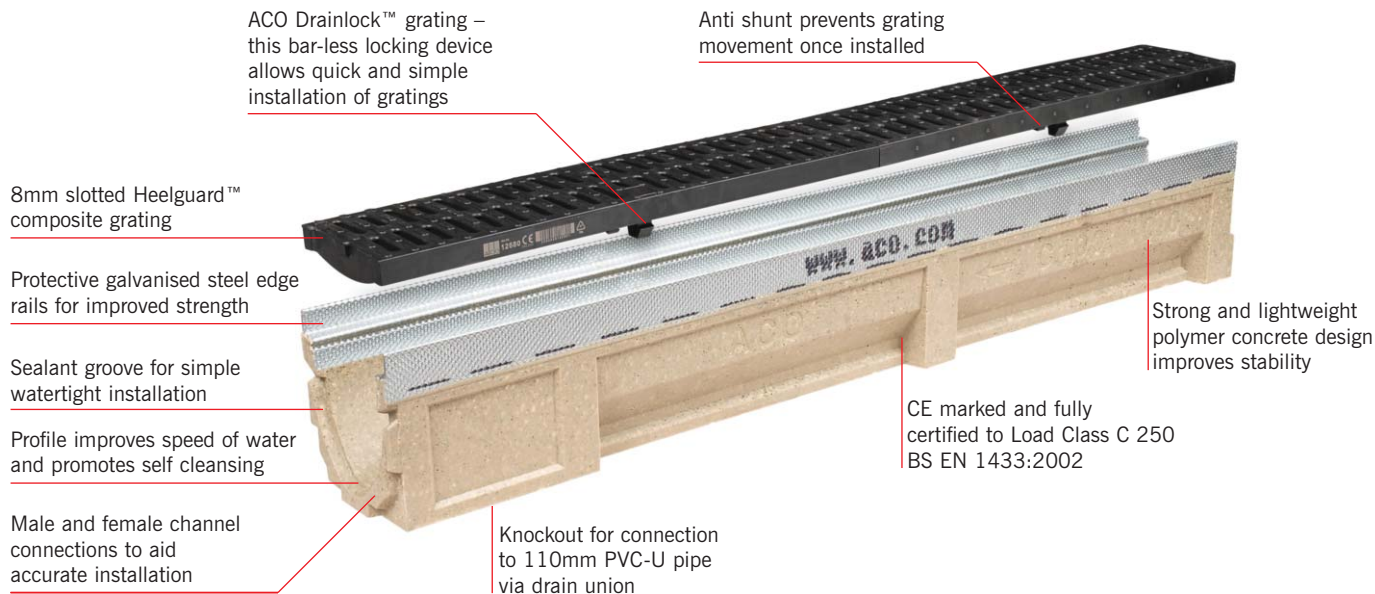
- ▶ Domestic landscaping
- ▶ Public landscaping
- ▶ Car parks



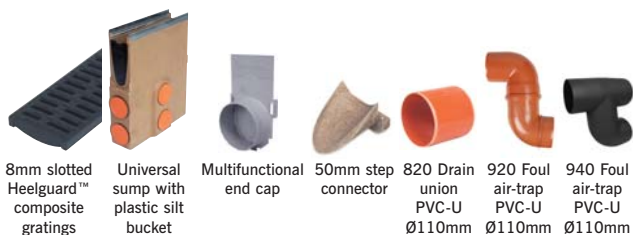


C 250 Public parking areas, service stations (cars) and slow-moving light commercial vehicles

Features



ACO CIVICDRAIN ACCESSORIES



8mm slotted Heelguard™ composite gratings
 Universal sump with plastic silt bucket
 Multifunctional end cap
 50mm step connector
 820 Drain union PVC-U Ø110mm
 920 Foul air-trap PVC-U Ø110mm
 940 Foul air-trap PVC-U Ø110mm

ACO CivicDrain® channel assemblies

Product code	Description	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
25010	CivicDrain® 0.0 channel with black composite Heelguard™ grating	1000	135	150	14.4
25011	CivicDrain® 10.0 channel with black composite Heelguard™ grating	1000	135	200	18.8
25012	CivicDrain® 20.0 channel with black composite Heelguard™ grating	1000	135	250	22.5

ACO CivicDrain® accessories

Product code	Description	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
12680	522DL black composite Heelguard™ grating	500	123	21	1.2
12601	50mm step connector	100	75	50	0.4
23404	Multifunctional end cap	-	135	75/300	0.16
23410	Universal sump with plastic silt bucket*	500	135	635	32.8
0056	820 Drain union PVC-U Ø110mm	100	Ø110	-	0.1
2640	920 Foul air-trap PVC-U Ø110mm	-	Ø110	-	0.5
7931	940 Roddable foul air trap MDPE Ø110mm	-	Ø110	-	0.6
23415	Drainlock™ security locking assembly	-	-	-	0.1
23416	Drainlock™ security key	-	-	-	0.01
1367	Drainlock™ grating lifting tool 835	-	-	-	0.1

*Grating must be purchased separately

ACO CIVICDRAIN INSTALLATION



Dig trench 400mm wide, see chart opposite for channel and sump depths*. 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 PVC-U union/trap to drainage pipework.



Lay channels starting from outlet/sump, ensuring joints connect by lowering units horizontally. Fit end caps to end channel. For 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.

*Installation depths for channel and sump

Product code	Depth for channel (mm)	Depth for sump (mm)
25010	300	785
25011	350	785
25012	400	785

**ACO CivicDrain® channels are tested to confirm compliance with the watertightness requirements of BS EN 1433 when filled with water to the top of the channel bore.