## **ACO Water Management:**

## Building + Landscape

# Uniclass EPIC L7315 J3413 CI/SfB (52.5)

#### ACO CivicDrain®

- Ideal for light to medium duty traffic applications
- ✓ Heelguard<sup>™</sup> grating suitable for pedestrian traffic
- ✓ ACO Drainlock™ grating this bar-less locking device allows for quick and simple installation of gratings
- Full range of accessories available for professional installation
- ✓ CE marked and fully certified to Load Class C 250 BS EN 1433:2002







#### ACO CivicDrain®

# The ideal drainage channel for light to medium duty traffic applications

Manufactured from Vienite®, ACO's high strength polymer concrete material, ACO CivicDrain® is ideal for vehicle traffic up to Load Class C 250

ACO CivicDrain® comes complete with a corrosion resistant black composite Heelguard™ grating, ideal for pedestrian traffic.

The ACO Drainlock  $^{\text{tm}}$  grating has a bar-less locking device, allowing for quick and simple installation of gratings.

A full range of accessories are available, designed to aid simple and fast installation.

#### Typical applications

- Domestic Landscaping
- Public Landscaping
- Car Parks





# ACO CivicDrain®

**System Overview** 

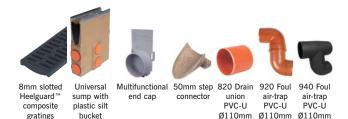


C 250 Public parking areas, service stations (cars) and slow-moving light commercial vehicles

#### **Features**



#### **ACO CIVICDRAIN ACCESSORIES**



#### 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		Length	Width	Height	Weight
code	Description	(mm)	(mm)	(mm)	(kg)
12680	522DL black composite Heelguard <sup>™</sup> 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

<sup>\*</sup>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



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).



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.



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

<sup>\*\*</sup>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.

#### ACO Technologies plc

ACO Business Park, Hitchin Road, Shefford, Bedfordshire SG17 5TE Tel: 01462 816666 Fax: 01462 815895

e-mail: technologies@aco.co.uk website: www.aco.co.uk