

ACO Water Management: Civils + Infrastructure

Uniclass L2123 + L7315	EPIC J3413
Cl/SfB (52.5)	

ACO Slimline®

- ▶ Provides an effective drainage solution for light to medium duty traffic applications
- ▶ Strong and robust channel design
- ▶ No grating for discrete appearance and added security
- ▶ Very shallow installed depth saves time and money
- ▶ Manufactured from high strength polymer concrete
- ▶ Corrosion and water-resistant for greater longevity
- ▶ Access available by inspection units and sump units
- ▶ Flat top surface ideal for sports facilities and schools
- ▶ Channel CE marked and fully certified to Load Class C 250 BS EN 1433:2002



ACO Slimline®

High quality, high strength general purpose channel drainage system

ACO Slimline® is a discrete channel drainage system for light applications such as car parks, driveways for light to medium applications, pavements and landscaped areas.

Manufactured in one slim, lightweight piece with high strength polymer concrete, the channel has a 110mm wide bore.

The absence of a separate grating ensures resistance to vandal damage and eliminates failures caused by loose gratings. Attractive aesthetics mean that ACO Slimline is ideal for scenic areas, gardens, driveways or other landscaped areas.

An inspection unit is also available to facilitate cleaning, as well as a sump unit with either ductile iron inlets or a polymer slotted grate. The channel is available in 1000mm and 500mm lengths, so installations can be tailored without cutting the channels.

Typical applications

- ▶ Domestic landscaping
- ▶ Public landscaping
- ▶ Driveways



ACO Slimline®

System overview

Features

Strong and lightweight polymer concrete design improves stability

Flat surface for smooth transition, and disguised drainage

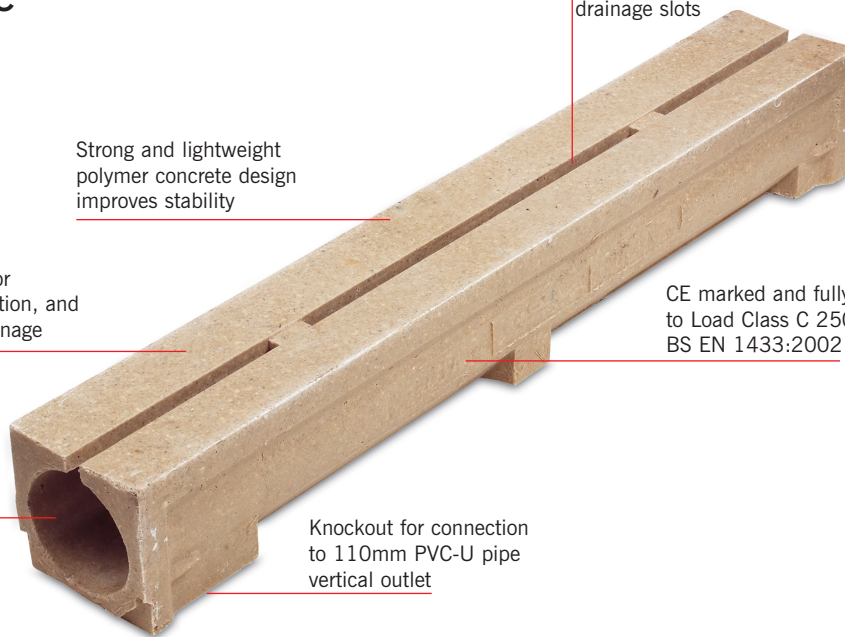
Profile improves speed of water and promotes self cleansing

Knockout for connection to 110mm PVC-U pipe vertical outlet

13mm wide drainage slots

Male and female channel connections to aid accurate installation

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



ACO SLIMLINE ACCESSORIES



820 Drain union PVC-U Ø110mm



920 Foul air-trap PVC-U Ø110mm



Sump unit composite grating, with silt bucket Load Class C 250

ACO Slimline® accessories

Product code	Description	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
7111	ACO Slimline end cap	-	146	146	0.6
0056	820 Drain union PVC-U Ø110mm	100	110	-	0.1
0058	822 Drain union PVC-U Ø160mm	100	160	-	0.5
2640	920 Foul air-trap PVC-U Ø110mm	-	160	-	0.5
01498	Silt bucket	-	-	-	0.5
7254	ACO Slimline locking assembly	-	-	-	0.1

ACO Slimline® channels and sump units

Product code	Description	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
7110	Channel*	1000	146	146	15
7187	Channel	500	146	146	8.6
7174	Channel inspection assembly* (7192 + 7189)	540	146	146	12.3
7192	Inspection unit*	540	146	146	9.5
7189	Inspection unit polymer cover†	500	123	40	4.7
7191	Sump top	540	146	146	6.4
7190	Sump base	522	160	360	14.4
0872	Sump unit (polymer slot cover)† c/w silt bucket	540	146	506	27.7
0873	Sump unit (composite grating)†† c/w silt bucket	540	146	506	25.4

*Preformed Ø110mm round knockout for vertical outlet.

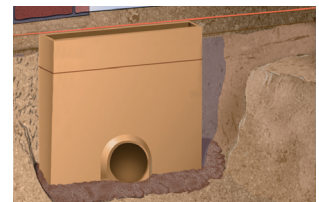
†To Load Class A 15

††To Load Class C 250

ACO SLIMLINE INSTALLATION



Dig trench 450mm wide, see chart above for channel and sump depths. Mark finishing height with fixed line 3mm below final surface. Lay 150mm (min.) bed of concrete.



Create outlet by using stitch drill or using a holesaw. 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 grate fitted to sump, haunch around channels/sumps with concrete. Final surface to be 3mm above channel. Bricks/paviours should be laid in mortar for lateral stability.

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