



ACO House & Garden Range Overview

Domestic Drainage & Landscaping Systems





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ACO House & Garden Range Overview

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Material

 Polymer Concrete  Steel  Plastic / Composite  Aluminium

 Recycled Material

Grating Choice

 Limited  Small  Wide

Hydraulic Capacity

 Low  Medium  High



Load Classes

What will go over your drainage system?

The table shows different load classes and typical uses.

Most domestic projects would only require the first three of these. For driveways we would recommend at least B 125 but may need more.

For example, are heavier vehicles likely to use the driveway at some stage? If this is the case then C 250 may be more appropriate.

A few more details like specific location requirements, aesthetics and, will anything other than water go into it will also need to be addressed.

For help with this please visit www.aco.co.uk/askaco

ACO House & Garden Range Overview

Load Class	EN 1433	Typical uses
	A 15	Pedestrian, cycleways, minimally trafficked areas (light domestic vehicles only).
	B 125	Pedestrian precincts, light vehicles, private car parks and drives.
	C 250	Parking areas, service stations (cars) and slow-moving light commercial vehicles.
	D 400	Public Highways, parking areas for all types of vehicles.
	E 600	Industrial areas, heavy wheel loads, slow-moving HGV's and forklifts, service stations.
	F 900	Airport runways, very heavy industrial and military installations, service yards and lorry parks.
	K3	Areas without vehicular traffic, such as dwellings, commercial and some public buildings.



Channel Drainage

A linear drainage system that incorporates a channel together with a grating. Designed to gather surface water run off.

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The ideal drainage channel for domestic applications

- High quality polypropylene channel, suitable for pedestrian and vehicle traffic up to Load Class A 15
- Channels clip together for quick and easy installation
- A choice of eight gratings are available to suit your decorative requirements
- Applications: Garage threshold, pedestrian precincts, block paving, patios and paths



Corner unit with galvanised steel grating



Corner unit with black plastic grating



Sump unit



Closing end cap



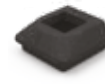
Ø110mm outlet connector



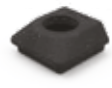
Leafguard



Ø110mm outlet end cap



Downpipe connector
□65mm



Downpipe connector
Ø86mm



ACO RainDrain®

Channel Drainage



The ideal drainage channel for domestic applications

- High quality polymer concrete channel, suitable for pedestrian and vehicle traffic up to Load Class A 15
- Channels interlock for quick and easy installation
- A choice of eight gratings are available to suit your decorative requirements
- Applications: Garage threshold, pedestrian precincts, block paving, patios and paths



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Sump unit with silt bucket



Corner unit with galvanised steel grating



Closing end cap



Ø110mm outlet end cap



Ø110mm horizontal foul air-trap



Ø110mm drain union



‘Complete the Look’ Gratings

Enhance your patio or driveway with ACO’s elegant and modern ‘Complete the Look’ gratings. Perfect for adding the finishing touches to an installation, or as an upgrade. Designed to be used with ACO HexDrain® and ACO RainDrain®.

www.aco.co.uk



Use our ACO visualiser to see how the Complete the Look gratings will look at your home by scanning the QR code.





Wedge Wire

Add prestige and value to your patio with the contemporary elegance of ACO's Stainless Steel Wedge Wire grating.



*COMPLETE
THE LOOK*

Visualise your project
visit www.aco.co.uk/completethelook



Mosaic Heelguard™ ATeC

Add long lasting style to your driveway or patio with the robust ATeC coated, ACO Mosaic Heelguard™ grating.



*COMPLETE
THE LOOK*

Visualise your project
visit www.aco.co.uk/completethelook



Intercept Iron Heelguard™ ATEC

ACO's stylish Intercept ATEC coated grating is Heelguard™ certified, making it ideal for patio and driveway areas.



*COMPLETE
THE LOOK*

Visualise your project
visit www.aco.co.uk/completethelook



Antique Iron Heelguard™ ATec

Add character to your driveway or patio with ACO's improved Antique Iron Heelguard™ grating, now with ATec coating.



Visualise your project
visit www.aco.co.uk/completethelook



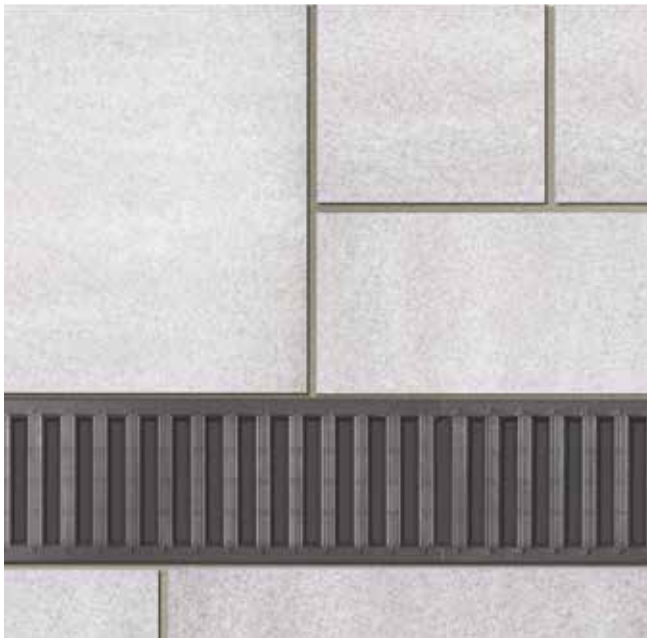
Polished Stainless Steel

Cool and contemporary, ACO's Polished Stainless Steel grating gives driveways and patios a modern look.



*COMPLETE
THE LOOK*

Visualise your project
visit www.aco.co.uk/completethelook



Anthracite

High quality looks can be achieved with the versatile Anthracite grating.



Visualise your project
visit www.aco.co.uk/completethelook



ACO HexDrain® B 125

Channel Drainage



The ideal drainage channel for light duty applications

- High-quality polypropylene channel, suitable for vehicle traffic up to Load Class B 125
- Drainlock technology allows quick and simple installation of gratings
- Corrosion resistant black composite Heelguard™ grating
- Applications: Driveways and small private car parks



Universal closing
end cap



Ø110mm vertical
outlet connector



Ø110mm roddable
foul air-trap



Sump unit with
silt bucket



ACO RainDrain® B 125

Channel Drainage

The ideal drainage channel for light duty applications



- High quality polymer concrete channel, suitable for vehicle traffic up to Load Class B 125
- Channels interlock for quick and easy installation
- Supplied with cast iron Heelguard™ ATec grating for Load Class B 125
- Applications: Driveways and small private car parks



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Sump unit with
silt bucket



Corner unit with
cast iron steel grating



Closing end cap



Ø110mm outlet
end cap



Ø110mm horizontal
foul air-trap



Ø110mm drain
union



ACO HexDrain® Pro

Channel Drainage



The ideal drainage channel for light to medium duty traffic applications

- High quality, high strength polypropylene channel, suitable for light to medium duty traffic up to Load Class C 250
- Drainlock technology allows quick and simple installation of gratings
- Corrosion resistant black composite Heelguard™ grating
- Applications: Domestic landscaping, public landscaping and car parks



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Universal closing
end cap



Ø110mm vertical
outlet connector



Ø160mm vertical
outlet connector



Ø110mm roddable
foul air-trap



Ø160mm roddable
foul air-trap



Sump unit with
silt bucket





The ideal drainage channel for light to medium duty traffic applications

- High quality, high strength polymer concrete channel, suitable for light to medium duty traffic up to Load Class C 250
- Drainlock technology allows quick and simple installation of gratings
- Corrosion resistant black composite Heelguard™ grating
- Applications: Domestic landscaping, public landscaping and car parks



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522DL Black composite Heelguard™ grating



50mm Step connector



Multifunctional end cap



Universal sump with plastic silt bucket



Ø110mm drain union PVC-U



Ø110mm foul air-trap PVC-U



Brickslot

The surface interface is defined by a discrete slot as opposed to a grating. This can be utilised by designers for aesthetic benefit without the need to compromise on the drainage capacity - as the channel body is still below ground.

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ACO HexDrain® Brickslot

For domestic projects where discreet channel drainage is required



- High quality polypropylene channel, suitable for pedestrian and vehicle traffic up to Load Class A 15
- Channels clip together for quick and easy installation
- Applications: Garage threshold, pedestrian precincts, block paving, patios and paths
- Compatible with up to and including 60mm deep block paving



Access unit / corner unit with black plastic slotted grating and Ø110mm vertical outlet



Sump unit



Closing end cap



ACO RainDrain® Brickslot B 125

For light duty projects where discreet channel drainage is required



- High quality polymer concrete channel with galvanised steel slotted grating, suitable for vehicle traffic up to Load Class B 125
- Channels interlock for quick and easy installation
- Applications: Driveways and small private car parks
- Compatible with up to and including 60mm deep block paving



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Access channel



Sump unit with silt bucket



Corner unit with slotted galvanised steel grating



Closing end cap



Ø110mm horizontal foul air-trap



Ø110mm drain union



Threshold Drainage

Typically a system designed to be installed at a building threshold to keep water out of the property, and prevent ponding at a building entrance.

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ACO Threshold Drain

Threshold Drainage



Slimline domestic level threshold door drainage

- High quality extruded plastic channel with aluminium or steel grating, reduces water ponding at house entrances
- The discreet system has a width of 60mm and is available with silver or black aluminium, CorTen steel or stainless steel Heelguard™ gratings
- System is compliant with Part M of the Building Regulations for England and Wales and Section 4 of the Scottish Building standards
- Applications: Level thresholds



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Drain connector



Outlet end cap
Ø50mm



End cap



Bottom outlet
Ø110mm



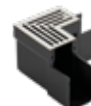
Silver aluminium
grating corner unit



Black aluminium
grating corner unit



CorTen steel
grating corner unit



Stainless steel
grating corner unit



ACO DoorWay Drain

Unobtrusive high quality domestic threshold drainage

Threshold Drainage



- High quality polypropylene threshold drainage channel, eliminates water ponding at house entrances
- Corrosion resistant two piece stainless steel Heelguard™ grating, suitable for pedestrian traffic
- Channels clip together for quick and easy installation
- Applications: Level thresholds



DoorWay Drain comes with the above accessories consisting of 2 x end caps and Ø110mm vertical outlet



ACO StepDrain

Threshold Drainage



Slimline domestic level threshold door drainage

- High quality galvanised steel threshold drainage channel, eliminates water ponding at house entrances
- Available in 940mm and 1088mm lengths
- Applications: Level thresholds
- Corrosion resistant 304 stainless steel Heelguard™ grating, suitable for pedestrian traffic





ACO DrainMat

Threshold Drainage



Matwell domestic level threshold door drainage

- High quality matwell assembly, eliminates water ponding at house entrances
- Choice of four mat styles for use with a wide variety of external surface finishes
- Three base sizes available in two different materials
- Applications: External level thresholds



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ACO DrainMat polypropylene base (image shows base with mat, mat supplied separately)



Galvanised steel mesh



Anthracite carpet and aluminium mat



Light grey carpet and aluminium mat



Black rubber and aluminium mat



Ø110mm drain union



Landscaping Systems

Landscaping systems are designed to support the creation of useable spaces that adhere to SuDS guidelines.

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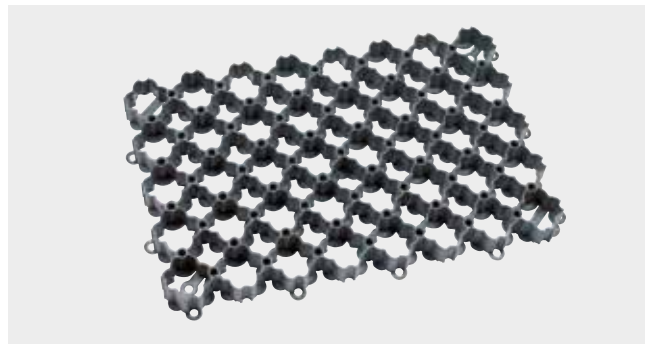


ACO GroundGuard



Award winning tile for ground reinforcement

- Stops grass rutting and gravel movement
- Robust system certified for loads up to 250 tonnes per m²
- 90% porous, providing effective drainage of surface water
- Applications: Access routes, caravan parks, domestic drives, paths, private and public parking areas



White parking bay markers

ACO 180mm steel nail

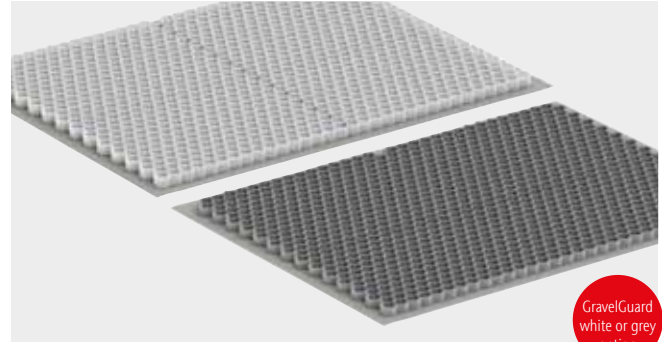




ACO GravelGuard

Ground reinforcement tile for gravel applications

- Incorporated geotextile for reduced weed growth
- Applications: Driveways, paths and shed bases
- Extra-large mats (1176 x 1535 mm) for quick and easy installation
- Manufactured from 100% polypropylene



GravelGuard
white or grey
option



ACO 180mm
steel nail



Domestic Stormwater Control

Economical solutions for water conservation in the home and garden.

www.aco.co.uk





ACO StormBrixx SD

Domestic StormWater Control



Award winning domestic soakaway

- Enables compliance with current building regulations concerning rainwater runoff from drives
- Certified structural integrity for long life assurance
- Lightweight design for easy on site handling
- Applications: Gardens, drives and patios



Side panel



Top covers



110mm / 160mm
pipe connector



225mm / 300mm
pipe connector



ACO Backflow Valves



Domestic backflow valves for flood protection

- Designed to prevent flooding resulting from sewer backflows
- The 3 backflow ranges are tested and conform to BS EN 13564
- All valves are designed for reliable operation and long life
- Applications: Basements



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Junior – Type 5 anti-flooding device for grey water applications



Triplex – Type 2 passive anti-flooding device for grey water applications



Quatrix – Type 3 automated anti-flooding device for black and grey water application



Roof Drainage

High performance drainage solutions for domestic roofs and balconies.

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ACO Rainwater Outlets

High performance rainwater outlets

- Manufactured from marine grade aluminium alloy and powder coated cast iron for high corrosion resistance
- 304 stainless steel fixings ensure long service durability and reliability
- Large range of outlets available to suit any flat roof applications
- Applications: Flat roofs, balconies, roof terraces



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HP vertical
spigot outlet



HP two-way
screw outlet



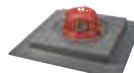
HP 45 & 90°
outlets



HP vertical
screw outlet



HP balcony
spigot outlet



HP refurbishment
outlet



Shower Drainage

Barrier free wetroom solutions.

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ACO ShowerDrain C Line

Barrier free wetroom drainage system

- High quality stainless steel shower channel system
- Applications: Wetrooms
- A wide range of grating designs are available to suit your decorative requirements



Wave



Quadrato



Slot



Tile (Note: Tiles supplied by customer)



ACO Shower Gullies

Shower Drainage



Barrier free wetroom drainage system

- High quality stainless steel shower gullies system
- Applications: Wetrooms
- A wide range of grating designs are available to suit your decorative requirements



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Quadrato



Wave



Mondo



Wellness



Classic



Arco



Perforated Square



Textured Square



Blue Green Roofs

Systems for creating blue or blue/green roofs.

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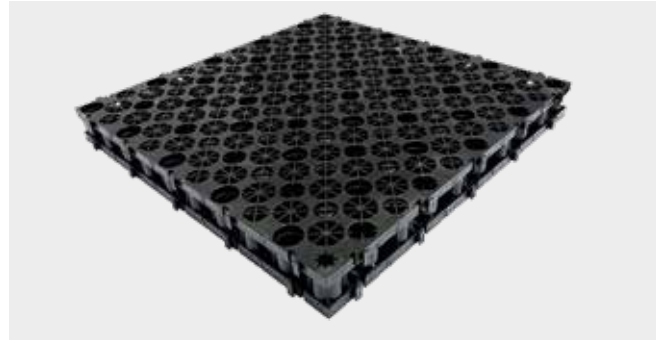




ACO RoofBloxx

A complete roof water attenuation system for blue and blue/green roofs

- Enables creation of a drainage platform providing the design flexibility to create imaginative, multi-functional open green spaces at roof or podium level.
- Stormwater attenuation at shallow depth, suitable for use beneath both permeable and impermeable surfaces
- Passive irrigation attainable with capillary wick





It's good to get drainage experts and garden designers on the same page

At last there's a place where great landscaping and efficient rainwater management meet. The new ACO Garden Designers and Landscapers' web page has all the help and support you need on channel drainage systems and sustainable water management – including a free eBook on sustainable design.

Go to www.aco.co.uk/garden-and-landscape

askACO



ACO. creating
the future of drainage



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