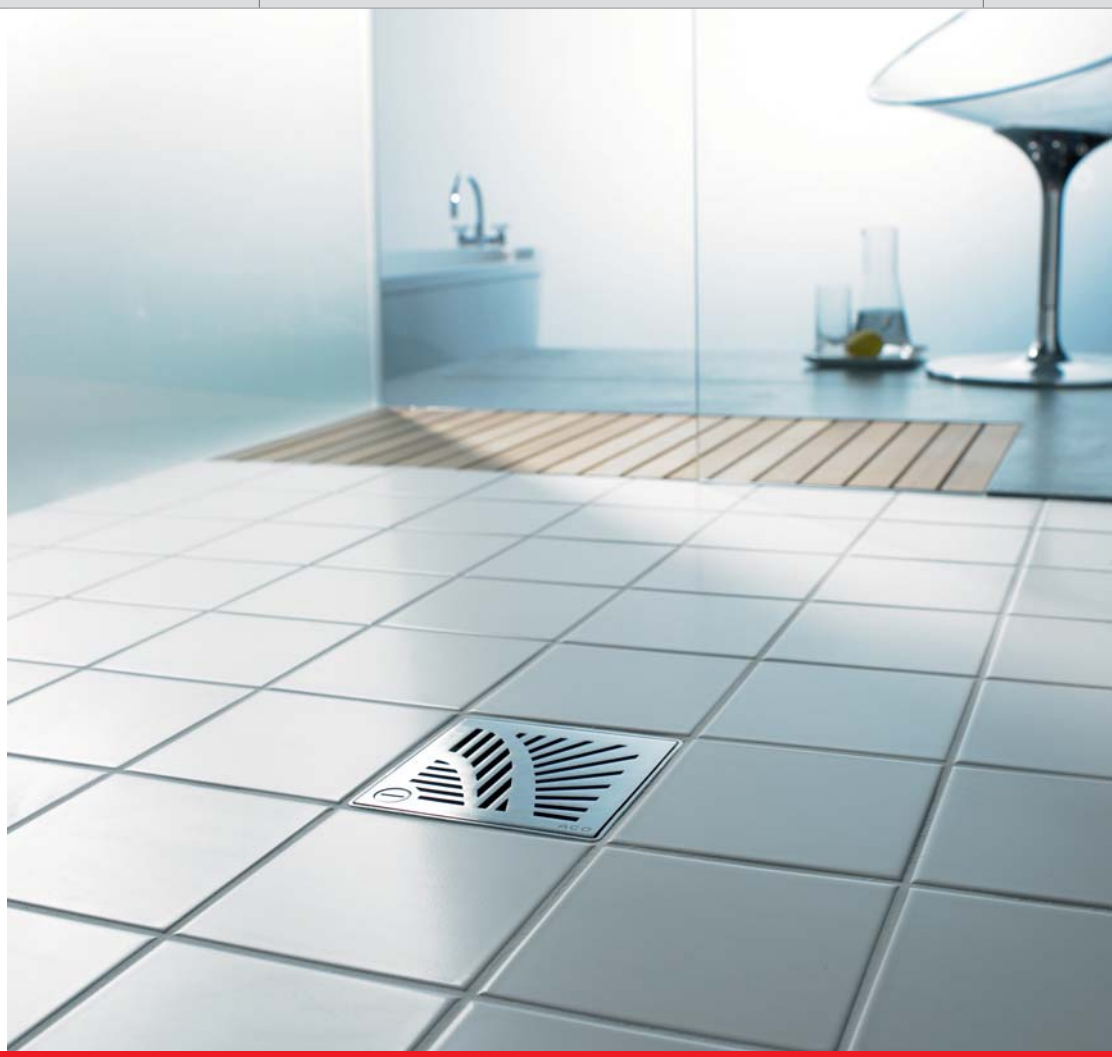
Uniclass L7315	April 2011
CI/SfB (52.6)	

ACO Building Drainage

Wetroom Systems



Product catalogue

ACO Easyflow Bathroom Gully System

ACO Building Drainage

Our built environment is becoming ever more complex. Applications are becoming more sophisticated and the increasing pressure of regulations and standards make achieving design, performance and financial goals ever tougher.

ACO Building Drainage is a new concept within the ACO Group. Our mission: to eliminate design risk, to reduce installed and life cost and to deliver exceptional finish and performance in every product application.

We achieve this through three factors:

- High performance materials
- Design experience and project support
- Global manufacturing capacity

Our global resources and fabrication capacity make it possible for us to deliver best value, both with our standard products and with our bespoke designs. Confidence is further assured with quality systems that are in accordance with ISO 9001-2008.

ACO Building Drainage's extensive portfolio includes:

- Wetroom and shower drainage systems
- Stainless steel Modular Channel system
- Stainless steel EuroGully gully system
- Stainless steel and polymer composite access covers
- Biological Grease Management system
- Gravity Grease Separator system
- Sewer backflow protection valves
- Stainless steel socketed pipe system
- Rainwater outlets for flat roofs

ACO Building Drainage is a division of ACO Technologies plc and part of the worldwide ACO Group. The Group has sales in excess of £400 million worldwide with production facilities in the UK, Germany, France, Switzerland, Denmark, Spain, Poland, Czech Republic, Australia and the USA. In total more than 3500 people are employed in 40 countries throughout the world.

Tel: 01462 816666
Fax: 01462 851490
e-mail Enquiries: buildingdrainage@aco.co.uk
website: www.acobuildingdrainage.com

Contents

ACO Easyflow bathroom gullies

Introduction

ACO Easyflow floor gullies provide the ideal drainage solutions to complement modern bathroom design where efficient function and stylish appearance are pre-requisites.

A wide selection of square or circular high quality electro-polished stainless steel designer gratings is available to match desired ambience and design effects.

Optional grating locks are available for square grating applications in public areas, such as fitness centres, spas, hotels or anywhere accessed by the general public.

ACO Easyflow bathroom gullies

Introduction

There are Easyflow drainage products available for most flooring and installation details – solid concrete floors, timber joisted floors, ceramic tiles and resin construction.

For tanked wetroom applications, a selection of gully tops is available to ensure a 100% watertight installation.

The wide choice of gratings provides elegant options to suit every taste.

The electro-polished austenitic stainless steel gratings, ABS and polypropylene top sections and gully bodies together provide a tough, corrosion resistant product guaranteed to provide a long, trouble-free installation.

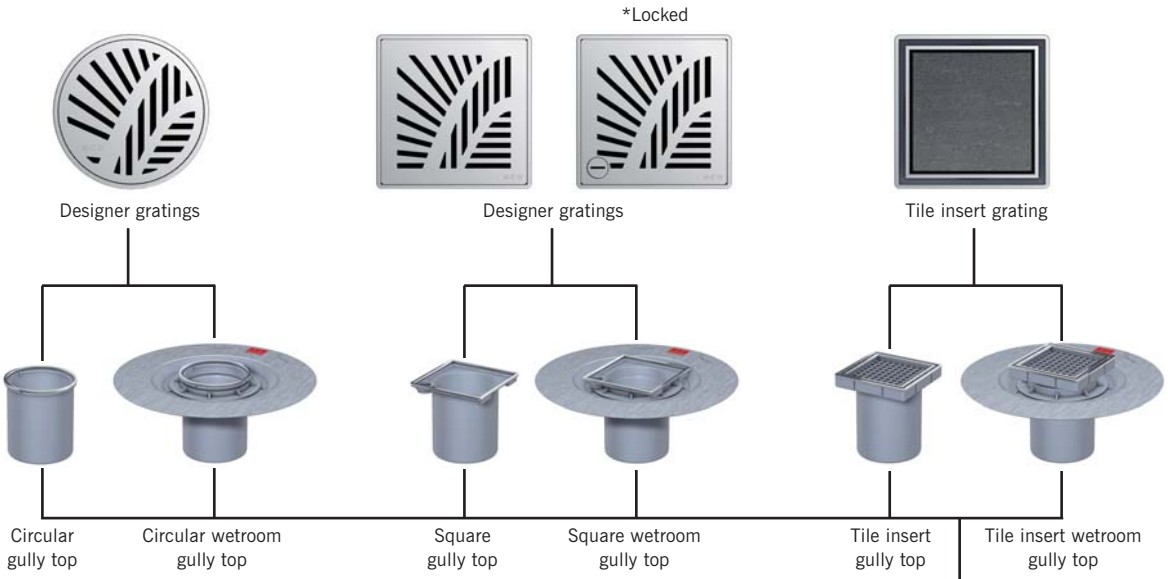
Additionally, all components are 100% recyclable contributing to a sustainable environment.

All ACO Easyflow floor gullies are supplied complete with a removable foul air trap for quick and easy maintenance.

A water seal of 50mm conforms to BS EN 1253 and eliminates potential odours that can result from pressure fluctuations in downstream drainage connections. Additionally, effects of evaporation are significantly reduced following long periods without use.

ACO Easyflow bathroom gullies

System overview



The modular construction of ACO Easyflow bathroom drainage gullies provides fully flexible drainage solutions to modern bathroom design.

Designer Grating Selection

- Electro-polished stainless steel gratings
- Barefoot friendly
- Tile insert grating for up to 11.5mm tile, including tile adhesive
- All gratings to Load Class K3 to BS EN 1253

Optional gully top extension provides additional 178mm throat for deep installations

Optional DPM clamping flange for sheet membranes

Gully Tops

All gully tops are manufactured from ABS and are easily trimmed to length to suit installation and supplied with stainless steel bezel. Circular or square gully tops available with fully sealed polypropylene fleece for quick and convenient integration with brush or roller applied wetroom tanking systems

Gully Body

Tough, corrosion-resistant polypropylene construction ensures reliable, long life. The gully body is supplied complete with a removable foul air trap for easy cleaning and maintenance. 50mm water trap seal conforms to BS EN 1253. Up to 2 l/s flow rate.

Product selector

Designer gratings

All gratings are manufactured from electro-polished 304 grade austenitic stainless steel.

Circular gratings are Ø126mm x 5mm thick; weight: 0.4kg. No locking.
Square gratings are 140mm x 140mm x 5mm thick; weight: 0.6kg. Optional locking available.

Part No (no lock)	Design
105700	Curl
105701	Quadrato
105702	Linea
105703	Palm
105704	Forest
105705	Wave
105706	Hawaii
105707	Mix

Part No (no lock)	Part No (with lock)	Design
105708	105717	Curl
105709	105718	Quadrato
105710	105719	Linea
105711	105720	Palm
105712	105721	Forest
105713	105722	Pixel
105714	105723	Wave
105715	105724	Hawaii
105716	105725	Mix

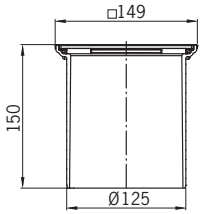
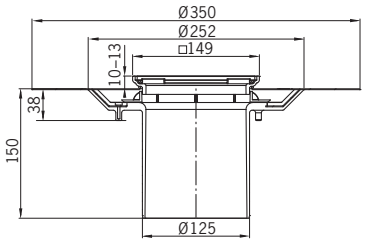
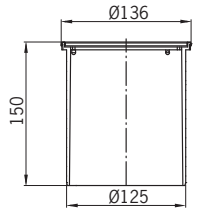
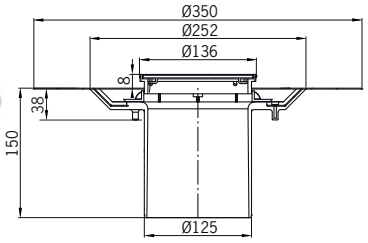
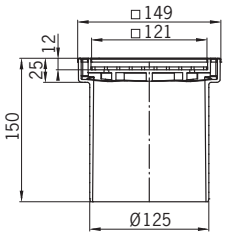
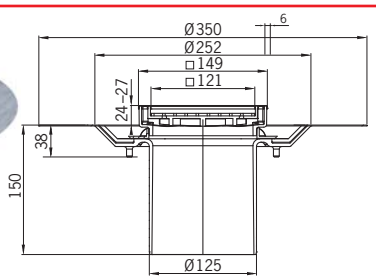
Lock released with coin or screwdriver.

Sprung loaded release raises grating.

Easy removal and replacement of grating.

Product selector

Gully tops

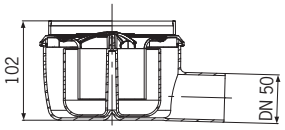
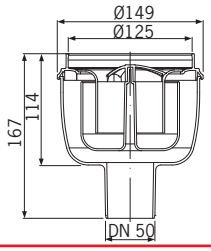
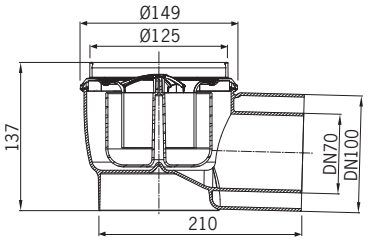
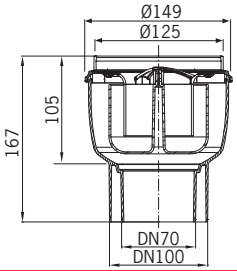
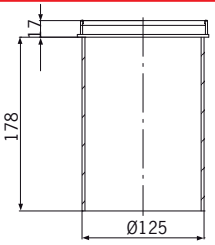
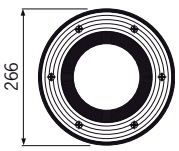
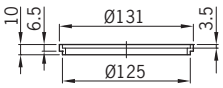
Part No	Description		Details	Weight kg
105730	**Square Plastic Gully Top (Screed)** For screed floors with stainless steel bezel for locked or non-locked square gratings. Height adjustable from 18mm to 135mm with Easyflow gully bodies.			0.3
105731	**Square Plastic Gully Top (Wetroom)**** With stainless steel bezel for locked or non-locked square gratings complete with wetroom polypropylene fleece. Height adjustable from 36mm to 135mm with Easyflow gully bodies. Compatible with tiles up to 20mm thick*.			0.8
105732	**Circular Plastic Gully Top (Screed)** For screed floors with stainless steel bezel for circular gratings. Height adjustable from 8mm to 135mm when combined with Easyflow gully bodies.			0.3
105733	**Circular Plastic Gully Top (Wetroom)**** With stainless steel bezel for circular gratings complete with wetroom polypropylene fleece. Height adjustable from 36mm to 135mm when combined with Easyflow gully bodies.			0.7
105734	**Square Tiled Plastic Gully Top (Screed)** For screed floors for in-situ tiling. Height adjustable from 26mm to 135mm with Easyflow gully bodies. Accepts in-lay tile up to 11.5mm thick. 6mm drainage slot width.			0.6
105735	**Square Tiled Plastic Gully Top (Wetroom)**** For in-situ tiling complete with wetroom polypropylene fleece. Height adjustable from 36mm to 135mm with Easyflow gully bodies. Accepts in-lay tile up to 10.5mm thick. 6mm drainage slot width.			0.9

* For tiles thicker than 20mm, use 6.5mm Gully Top Spacer Ring(s) Part No 105738 as appropriate.
** Recommended for timber floors.

Note: Gully tops with polypropylene fleece are suitable for either screed floors or wooden floors.

Product selector

Gully bodies and accessories

Part No	Description		Details	Weight kg
105726	■ Flow rate: 1.5 l/s ■ Ø50mm horizontal spigot outlet ■ Removable foul air trap ■ 50mm water seal ■ Tough polypropylene construction ■ Certified to BS EN 1253			0.5
105727	■ Flow rate: 1.6 l/s ■ Ø50mm vertical spigot outlet ■ Removable foul air trap ■ 50mm water seal ■ Tough polypropylene construction ■ Certified to BS EN 1253			0.5
105728	■ Flow rate: 1.8 l/s ■ Ø110mm horizontal spigot outlet ■ Removable foul air trap ■ 50mm water seal ■ Tough polypropylene construction ■ Certified to BS EN 1253			0.6
105729	■ Flow rate: 2.0 l/s ■ Ø110mm vertical spigot outlet ■ Removable foul air trap ■ 50mm water seal ■ Tough polypropylene construction ■ Certified to BS EN 1253			0.6
105736	Gully top extension ■ Polypropylene construction easily trimmed on site			0.1
105737	DPM clamping flange for sheet membranes ■ ABS flange body ■ Stainless steel DPM clamp			0.7
105738	Gully top spacer ring ■ For all wetroom/fleeced gully tops ■ 6.5mm raising spacer ■ For square or circular gully tops			0.01

* All dimensions are in mm.

Installation guide - timber floors

Installation overview

For all timber floor installations, the Easyflow gully top is supported in a stainless steel cradle.

It is **essential** that the plastic gully body is supported between the floor joists to prevent accidental disassembly during routine maintenance. This applies to all outlet configurations.

For installations with a horizontal outlet, the location of the outlet should be as high as possible in the floor to provide adequate falls from the waste pipe to the soil stack. This is identified as the minimum 'X' dimension as shown in the diagram below.

Step 1

Remove floor boards to expose joists in wetroom area.

Step 2

Identify waste pipe run and position of the gully.

Step 3

Assess the highest position of the outlet invert (minimum 'X'), taking into account the thickness of the floor board and outlet waste pipe diameter. With reference to the diagram below, trim the gully top using the cutting guide lines to keep dimension 'X' as short as possible to provide falls for the waste pipe.

Step 4

Having cut the gully top, provide a support platform so that the gully body base sits firmly on the support shelf when in the installed position. This ensures the seal between the gully top and gully body is not broken during routine maintenance.

Step 5

Cut a 255mm diameter hole in the floor board to align with the gully body. Lay the floor board and fix the cradle to the floor.

Step 6

Connect the waste pipe to the gully body and insert the trimmed down gully top into the cradle ensuring the gully top is **fully** inserted into the gully body seal. Ensure the base of the gully body is resting on the support shelf and waste pipe laid to fall. Test for leaks. If the installation is not going to be completed at this stage, insert the white gully top cover to prevent unwanted debris entering the gully.

Step 7

Lay the grey wetroom waterproofing fleece into the gully top and secure with the clamp ring and x5 self-tapping screws provided to form a watertight seal.

Step 8

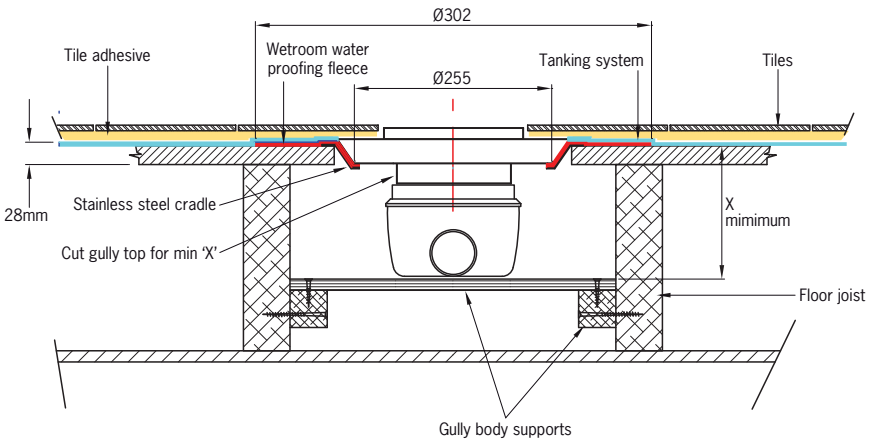
Depending upon the installation, provide the falls to the gully. This may be achieved using *weber.floor 4040 Combi Rapid* levelling scrim, tel 08703 330070 for further details.

Step 9

Tank the installation including the wetroom waterproofing fleece using a proprietary tanking system, following the manufacturer's installation instructions. One system that may be used is *weber.sys protect* roller applied tanking membrane.

Step 10

Lay the grating bezel support ring in the gully top ensuring the radial slots face **downwards** to allow any water that penetrates the tile adhesive to enter the gully. Insert the bezel and align to suit tile layout and lay tiles with falls to gully. For tiles greater than 20mm thick, gully top spacer ring(s) (Part No 105738) provides additional 6.5mm height and may be used in multiples.



Installation guide - solid concrete floors

Installation overview

Easyflow floor gully bodies can be installed either above or below the DPM. The optional DPM clamping flange (Part No 105737) is required to clamp the DPM to the throat of the gully body where the gully body is below the DPM.

Gully tops are easily trimmed to finished floor level using the cutting guides moulded into the top to accommodate screed and insulation thicknesses. An optional gully top extension (Part No 105736) is required for extended screed/insulation thicknesses.

For wetroom applications, gully tops with integrated wetroom fleece can be used for additional waterproofing security.

Step 1

Lay DPM over floor slab and sit gully body on to mortar bed.

Step 2

Trim gully top to finished floor level and insert into gully body, ensuring the gully top is **fully** inserted into the gully body seal.

Step 3

Connect waste pipe laid to fall and test for leaks. Provide temporary cover to prevent unwanted debris entering the gully.

Step 4

Box out and backfill concrete around the gully body and top.

Step 5

Remove shutters and lay insulation forming a duct to receive polystyrene bead fill.

Step 6

Lay screed to 1:80 fall.

Step 7

If a wetroom gully top is not installed, lay tiles. For the wetroom gully top, lay the grey wetroom waterproofing fleece into the gully top and secure with the clamp ring and x5 self-tapping screws provided to form a watertight seal.

Step 8

Tank the installation including the wetroom waterproofing fleece using a proprietary tanking system, following the manufacturer's installation instructions. One system that may be used is *weber.sys* protect roller applied tanking membrane.

Step 9

Lay the grating bezel support ring in the gully top ensuring the radial slots face **downwards** to allow any water that penetrates the tile adhesive to enter the gully. Insert the bezel and align to suit tile layout and lay tiles with falls to gully. For tiles greater than 20mm thick, gully top spacer ring(s) (Part No 105738) provides additional 6.5mm height and may be used in multiples.

Operation and maintenance

Cleaning methods

Easyflow components are easy and quick to clean and maintain. Washing with soap or a mild detergent and warm water followed by a clear water rinse is usually adequate for most applications. An enhanced aesthetic appearance will be achieved if the cleaned surface is finally wiped dry.

Precautions

Acid cleaners should only be used when other methods have been proved unsatisfactory.

Problem	Cleaning Agent	Comment
Routine cleaning, all finishes and materials.	Soap and mild detergent and water (such as washing up liquid).	Sponge, rinse with clean water, wipe dry if necessary.
Fingerprints, all finishes.	Soap or warm water or organic solvent (e.g. acetone or alcohol).	Rinse with clean water, wipe dry if necessary.
Stubborn stains and discolouration.	Mild cleaning solutions, (e.g. Cif, Goddard Stainless Steel Care).	Rinse with clean water, wipe dry.
Oil and grease marks, all finishes.	Organic solvent (e.g. acetone or alcohol).	Clean after with soap and water, rinse with clean water and dry.
Rust and other corrosion effects.	Most mild corrosion and staining effects can be removed by application of commercially available metal polishes. Check manufacturer's details before use.	Rinse well with copious amounts of clean water (precautions for acid cleaners should be observed). Never use ordinary steel wool as iron particles from the wool can become embedded in the stainless steel and cause corrosion problems.

ALWAYS READ INSTRUCTIONS ON PROPRIETRY CLEANING AGENTS BEFORE USE.

Operation and maintenance

Cleaning the foul air trap and gully body

1. It is highly recommended that before beginning to clean the foul air trap and gully body, suitable hand protection is used, such as latex gloves to prevent possible infection.

2. For an unlocked grating simply remove the grating from the bezel using a convenient tool such as a screwdriver. For locked gratings, insert a coin into the lock and turn 90º anti-clockwise to release the lock. The sprung loaded lock will lift the grating to allow easy removal.

3. Reach down into the gully top and locate the foul air trap. Pull the trap vertically and remove trap from the gully body.

4. Thoroughly clean the gully body and foul air trap with soapy water and rise with clean water.

5. Replace the trap into the gully body and push firmly into the gully body to ensure the seal is engaged.

6. Prime the trap with clean water to prevent odours and replace grating and lock if appropriate.

Model specification clause

ACO Building Drainage - easyflow bathroom gully system

A range of austenitic stainless steel drainage gullies and accessories

Suitable for point drainage in domestic properties, leisure facilities, spas, showers, wet rooms and washdown areas.

Manufacturer:	ACO Building Drainage, ACO Business Centre, Caxton Road, Bedford, Bedfordshire UK. MK41 0LF. Tel: 01462 816666, Fax: 01462 851490. Email: buildingdrainage@aco.co.uk
Material:	Electro-polished grade 304 austenitic stainless steel gratings to BS EN 10088. Gully tops and body manufactured from ABS and polypropylene.
Product:	ACO Easyflow drainage system to BS EN 1253 Load Class K3. Wetroom gully tops complete with polypropylene fleece.
Literature:	Consult ACO Building Drainage technical literature for details.
Website:	www.acobuildingdrainge.co.uk
Design:	ACO Building Drainage Technical Services provide design and specification.

NBS Specification Clause Reference:

For relevant NBS Specification, refer to NBS section for FLOOR DRAINS relating to clause 315 FLOOR DRAINS and clause 05 FLOOR DRAINS in R11 Above Ground Foul Drainage Systems.

Notes

ACO Technologies plc

- ACO Building Drainage
- ACO Water Management
  Civils + Infrastructure
  Urban + Landscape
- ACO Sport
- ACO Wildlife
- ACO Technic

ACO Building Drainage

A division of ACO Technologies plc
ACO Business Centre
Caxton Road
Bedford
Bedfordshire
MK41 0LF
Tel: 01462 816666
Fax: 01462 851490

e-mail: buildingdrainage@aco.co.uk
www.acobuildingdrainage.co.uk

The ACO Group: A strong family you can depend on.