



Helping create signature hotels worldwide

Our system solutions function in both directions: protecting people from water – and vice versa. Our products are frequently found in, on and around many stunningly beautiful and spectacular buildings worldwide.

Planners and architects know they can rely on ACO's competence in situations where not only design quality but also extreme ruggedness, functionality and safety are a top priority.

In this book you will find application solutions for different areas in your project, meeting the major challenges of the design, professional expertise and inspiration projects from around the world. In addition, our dedicated team and technical services are available to help you create your signature hotel.

Explore inspirational project solutions around the world!

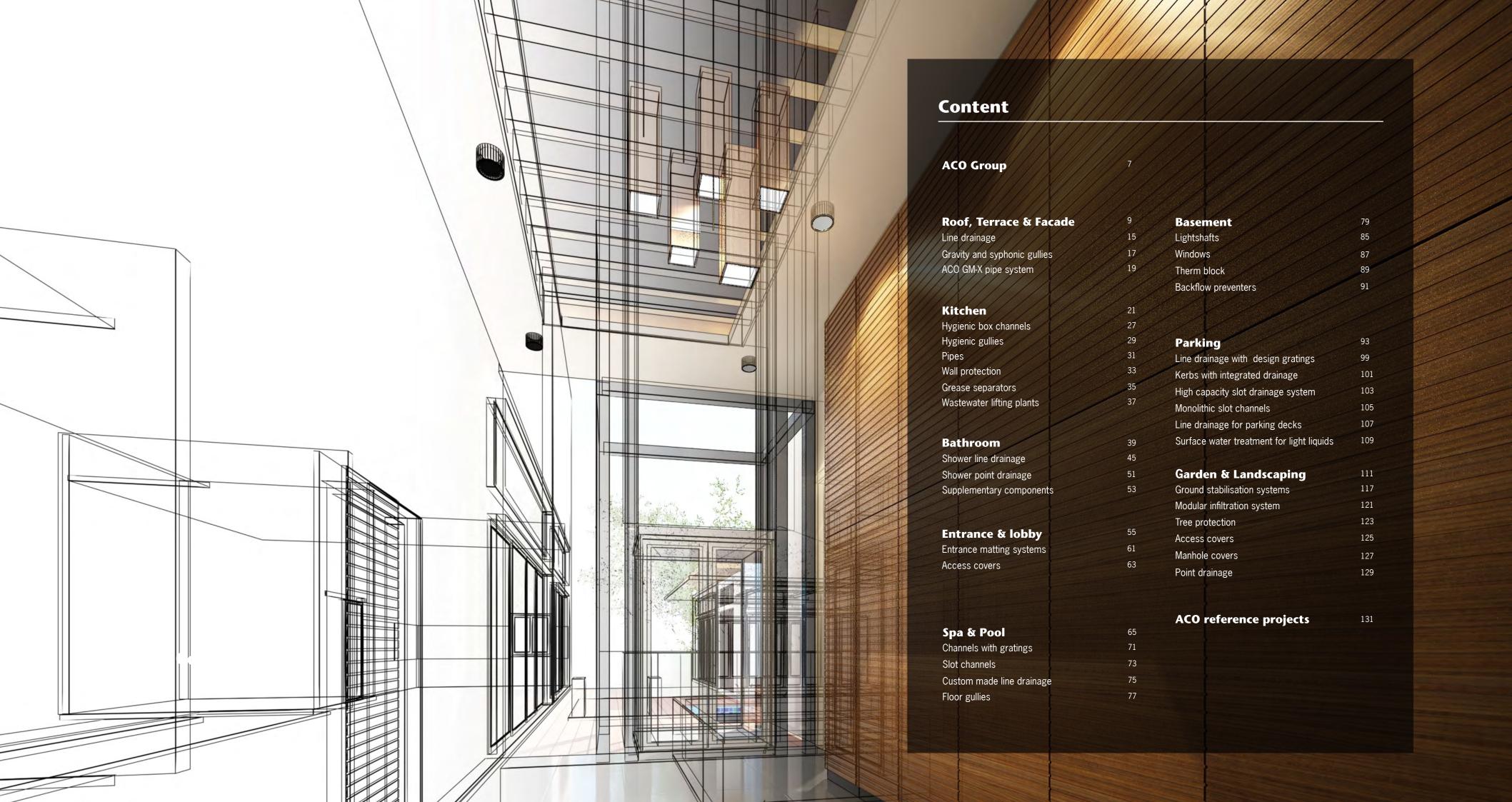




ACO has years of international experience providing system solutions for hotels. Our extensive portfolio of products and services for the following applications:

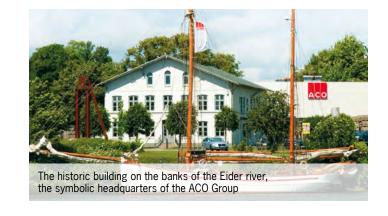
- **✓** Roof, Terrace & Facade
- Kitchen
- ✓ Bathroom
- ✓ Entrance & Lobby
- ✓ Spa & Pool
- **✓** Basement
- Parking
- ✓ Garden & Landscaping

applications for hotels













Our local teams are always available to support your project during the design, execution and operation stage.

ACO. creating the future of drainage

ACO is the world leader in drainage technology

tomorrow's environmen- top performance tal conditions

We see our market through the eyes Global climate change is causing more We support those who act of our customer. We like to keep in and more frequent extreme weather courageously. We enjoy working close contact with them to impress events such as droughts and heavy together creatively across all cultural them with the best products and rainfall. We develop innovative system barriers. In our philosophy, setbacks solutions to weather these events.

ACO creates solutions for ACO creates passion for

are an opportunity to become even

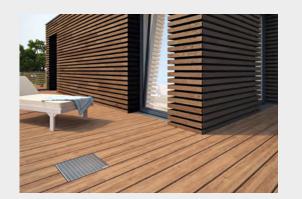
Roof, Terrace & Facade















Roof, Terrace & Facade

Roofs encompass the upper building boundary and their design is an important part of the overall structure of the building. Planning errors in roof drainage can lead to, in extreme cases, the collapse of

This can be dangerous and lead to the destruction of the entire property or lowering of its value. There are many aspects to consider when designing the roof drainage system. It's important to take into account the local climate as well as the norms, regulations, architectural and construction require-



Flat roofs are sensitive architectural areas. Therefore a must be considered to ensure the structure of the roof.

Modern public buildings must provide barrier free movement All countries set general requirement about fire safety professional planning of the drainage system is particularly and accessibility to all internal and external areas of the and protection. Therefore roof installation must be set up, important. If rain falls on the flat surface, large amounts of building. In order to accommodate the high standards of modified and maintained in such a way that public safety water can quickly accumulate. To protect the building, a architects and planners, drainage of facades and terraces and order are not jeopardized. drainage system is required. Heavy and continuous rainfall should be perfectly integrated with the surrounding surface. Roof constructions must be arranged, erected, modified and Consequently, the height of the channels must be adjusted maintained in such a way as to prevent the occurrence of a with mm-accuracy to the floor level. They should also fire and the spread of fire and smoke. prevent any water accumulation or splashing during heavy







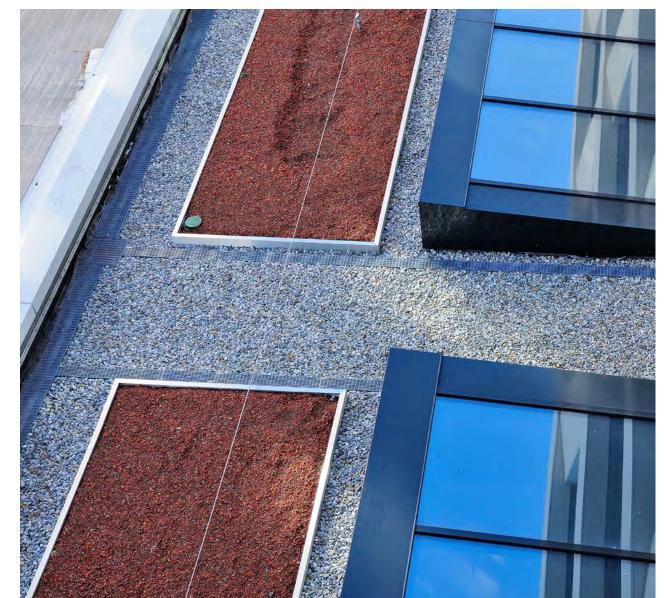
European norms and regulations

- **EN 1253** Roof gullies for buildings.
- EN 12056-3:2000 Gravity drainage systems inside buildings. Roof drainage,
- **EN 13501** Fire classification of construction products and building elements. Classification using test data from reaction to fire tests









Barrier free surface and optimal protection for the building boundaries



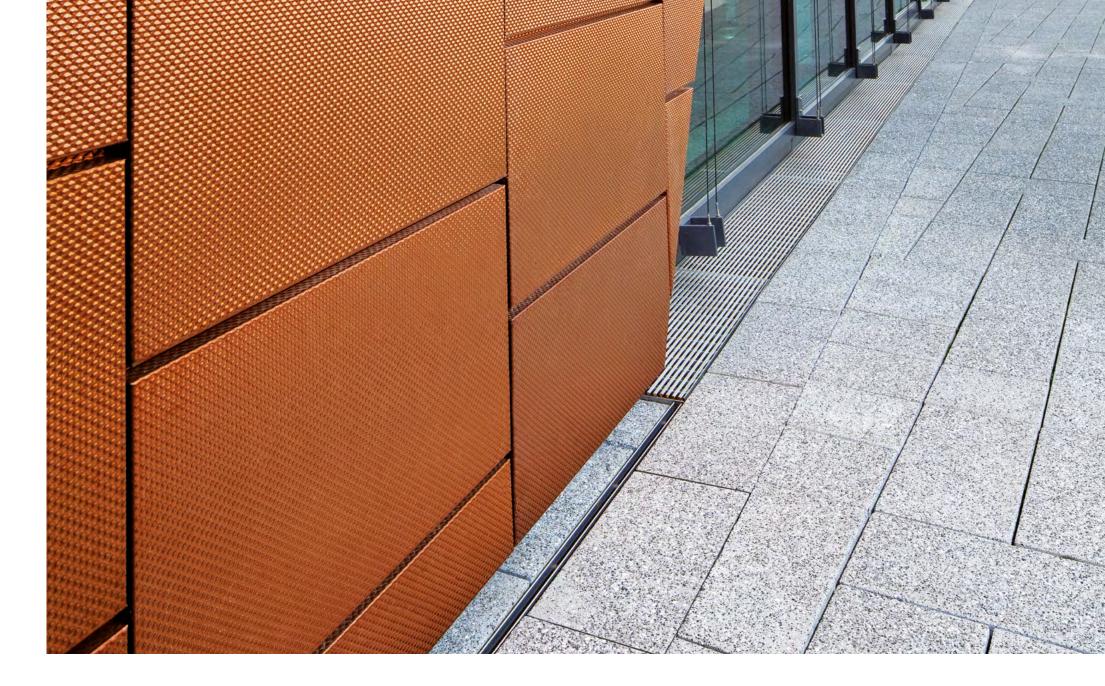
with negative pressure are preferred. ACO offers dual solution to face any project challenges. products in the materials cast iron and stainless steel- A1 class fire protection materials. There are also special solutions for green roof, attic and ware and a high level of practical knowledge.

balcony drainage or terrace drainage in residen- and smoke. tial construction demands the highest degree of individual adaptation and design from architects

Flat roofs have many advantages, but they have and engineers. The areas must be sustainably to master a huge static challenge. When it comes protected from the weather influences, including to planning and execution, safety, fire protection rainwater, wind, snow piling and heat protection. In and effective roof drainage are top priorities. addition to that ACO has developed a comprehen-ACO offers functional solutions that are specially sive range of solutions in compliance to functional adapted to the flat roof area of use and ensure and design requirements, including contemporary optimum drainage of rainwater. For smaller areas, trends for barrier free surfaces and secondary systems for gravity drainage are suitable. On lar- drainage. Our professional services and flexible ge roofs over 150 m² per gully, drainage systems production process enable the creation of indivi-

According to the European regulations for fire emergency drainage. When planning the correct protection for flat drain roof flat roof gullies with flat roof drainage and the hydraulic calculation fire protection insert are needed to prevent the of the pressure flow systems, ACO supports you transfer of smoke and fire in the building area. In with the latest standard-compliant design soft- case of fire the special developed material in the function device of the Jet gully blocks the opening The planning and execution of façade drainage, in the roof gully to prevent the breakdown of fire





ACO System solutions for roof, terrace & facade



ACO Profiline



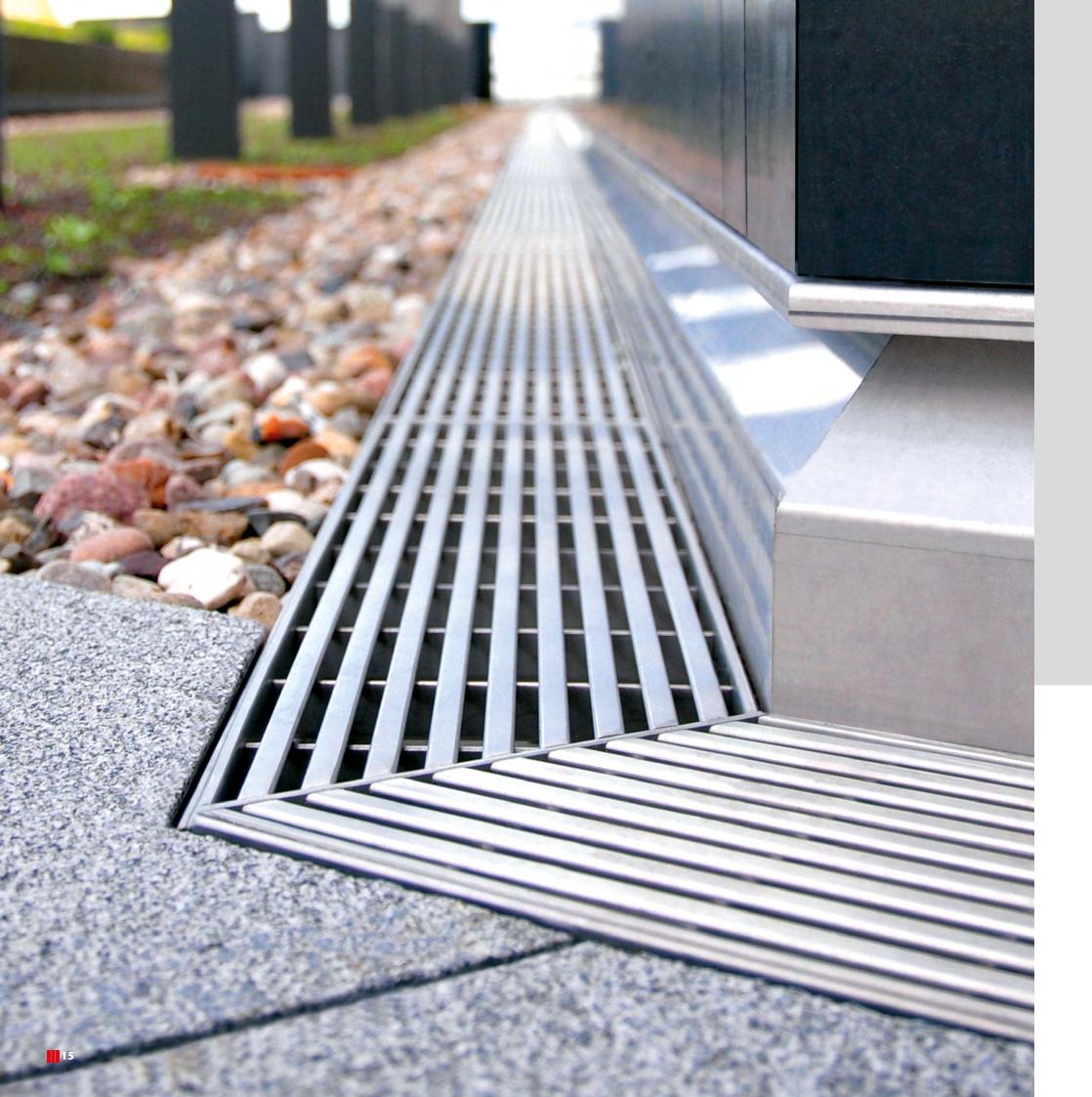
ACO Jet



ACO Spin



ACO GM-X



ACO Profiline

Line drainage

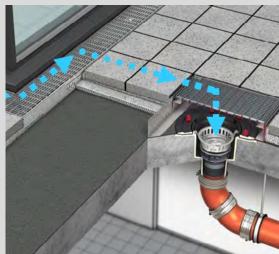
Product overview

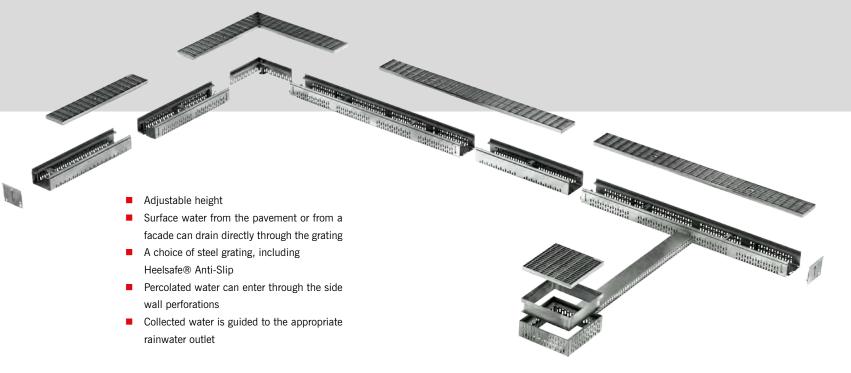
The Profline system is designed to be positioned above the roof or balcony membrane. It drains water directly from the pavement surface or down a façade via the grate. Perforations in the side walls of the channel allow water that has percolated through the pavement or green roof materials, to drain. It then guides this water to the roof or balcony drain.

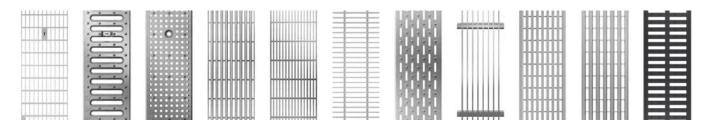
If the roof or balcony drain cannot be ideally situated, drainage ducts can be used to discretely direct the water to

The access grate can be used over the rainwater outlet to provide access for maintenance.











ACO Jet & ACO SpinSiphonic & Gravity roof drainage

Product overview

Flat roofs are sensitive architectural areas. That is why it is especially critical to plan their drainage systems professionally. When rain falls onto a flat roof, large volumes of water can collect rapidly. Unless there is an effective way of draining off precipitation, this can lead to excess loads being placed on the building's structure. ACO offers functional solutions which are specially designed for flat roof areas and which ensure the water is drained effectively. For smaller surfaces, gravity drainage systems are the solution. For larger roofs of 150 m² per gully or more, siphonic systems can be installed.









ACO gravity roof drainage - Spin

- Material cast iron and stainless steel
- One-piece or two-piece gullies
- Suitable for main and emergency drainage
- Individual components of the gullies such as gratings, top sections and gully bodies
- With or without insulation
- Vertical angled outlets: 90° / horizontal angled outlets 1,5°
- Various accessories
- Non-flammable A1, according EN 1253-2





ACO siphonic roof drainage- Jet

- Material cast iron and stainless steel
- One-piece or two-piece gullies
- Increased drainage performance level
- Specially designed flat roof drains, configured to work with completely full pipes (degree of fill h/d 1.0).
- Special components used to prevent vortexes forming.
- Vertical angled outlets: 90°
- Non-flammable A1, according EN 1253-2



ACO GM-X

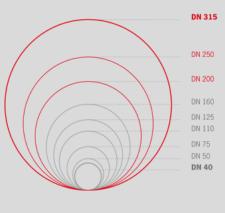
Galvanized steel pipe system

Product overview

ACO GM-X pipes made of galvanized steel are successfully used in the field of flat roof drainage in the Nominal size of DN 32 - DN 300. The extensive range of pipes and fittings allows a fast and economical solution for each installation situation. Due to the proofed socket connection, a quick and easy plug-in installation by turning the pipe and fittings can be executed in the sleeve. The production of the ACO GM-X pipe system complies to all requirements of EN 1123.



Wide range of nominal sizes







- Breakage protected
- Dimentionally stable
- Heat resistant up to 95 ° C
- Non- flammable (A1)
- Outer sleeve provides enhanced functional security
- Additional internal sound protection coating
- Protection against condensation water prevents the formation of mould

Kitchen















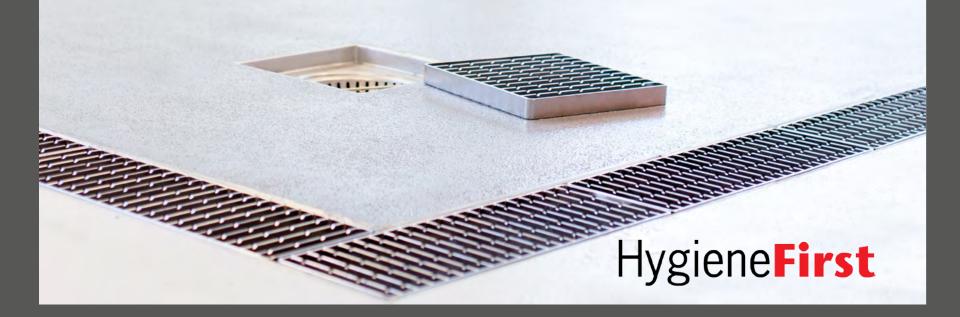
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Kitchen

Commercial kitchens are extremely busy environments with potentially wet and greasy floors due to the abundance of liquids used in both the cooking and cleaning processes, and of course, liquids are often very hot!

Waste water can also contain fat which could cause a major problem of pipe blockages and cannot be





Food safety

Food safety can be severely affected due to poor drainage Management of costs is a major factor in business today. Minimizing the risk of injury in the workplace is of prime risk of food contamination.

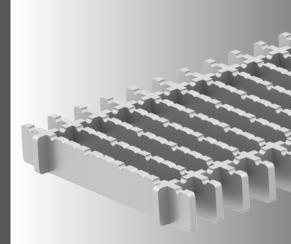
Cost control

and grease separation systems. ACO solutions are designed Commercial kitchen equipment including drainage and importance to any commercial kitchen facility. It's essential to effectively and safely drain away and handle process grease separation systems should fulfil its function with low that your facility has a drainage system which improves water. We design our products specifically to reduce the operational cost in mind throughout its entire lifespan. ACO health and safety conditions during cleaning, emptying and drainage and grease separation systems are designed so operation, while ensuring hygiene is always front of mind. they can be easily maintained, reducing associated cleaning costs and maximising hygienic performance.

Health & safety







European norms and regulations

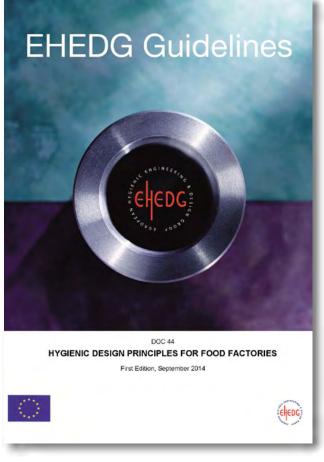
- **EN 1672** Food processing machinery-hygiene requirements
- **EN ISO 14159** Safety of machinery Hygiene requirements for the design of machinery
- **EN 1253** Gullies for buildings. Gullies with light liquids closure







Innovative products and expert collaborations





planners, cleaning providers, contractors, for the year 2015. researchers or business owners.

the best possible outcome.

In addition to providing high performance resistant to both thermal and dynamic shocks drainage products, we also offer a and is being incorporated into our product comprehensive range of services to support design. you through the life of your project and, via our in-house technical design team, can develop engineered solutions which are tailored to meet specific requirements.

With its advanced drainage solutions for commercial kitchens and the food industry

ACO works closely with leading industry ACO cares about hygiene and food safety. suppliers and institutions to raise drainage That's why ACO is a long term member of the performance standards. We also connect with, European Hygienic Engineering and Design listen to and understand people that matter - Group, EHEDG. Both, ACO and EHEDG, have be chefs, hygiene officers, engineers, kitchen recently decided to extend their cooperation

ACO and flooring specialist Sika commissioned Our collaboration with experts helps us to a three year study and research program to understand the risks of poorly designed provide factory and processing operators with drainage, raise standards of product clear evidence-based guidance with regard to performance and enable specifications that flooring-drainage connections. The results empower the designer and end user to achieve of the research led to the development of a customised L-profile edge solution. It is









ACO System solutions for kitchen



Hygienic Drainage



Pipes



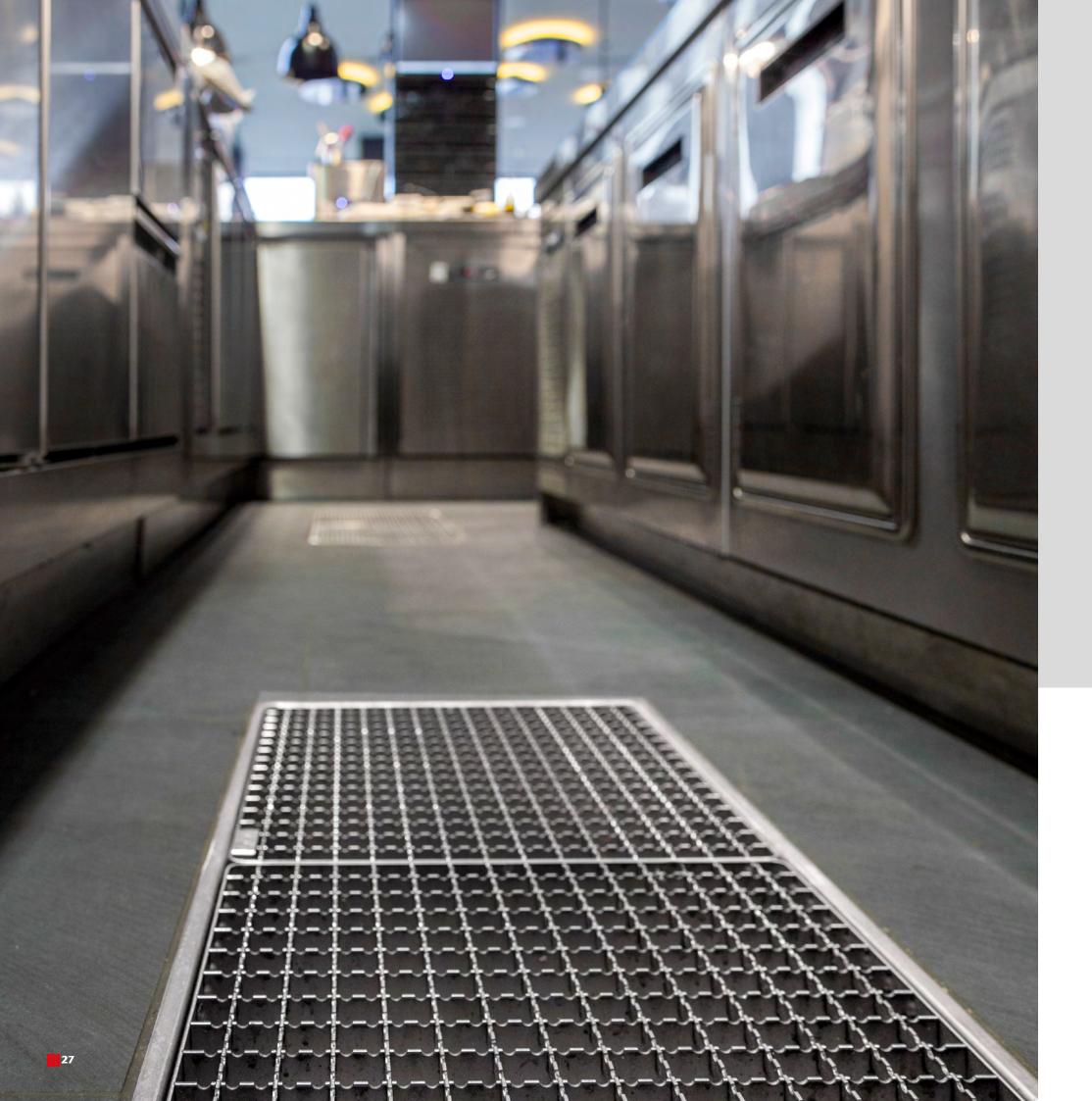
Wall protection



Grease Separators



Wastewater **Lifting Plants**



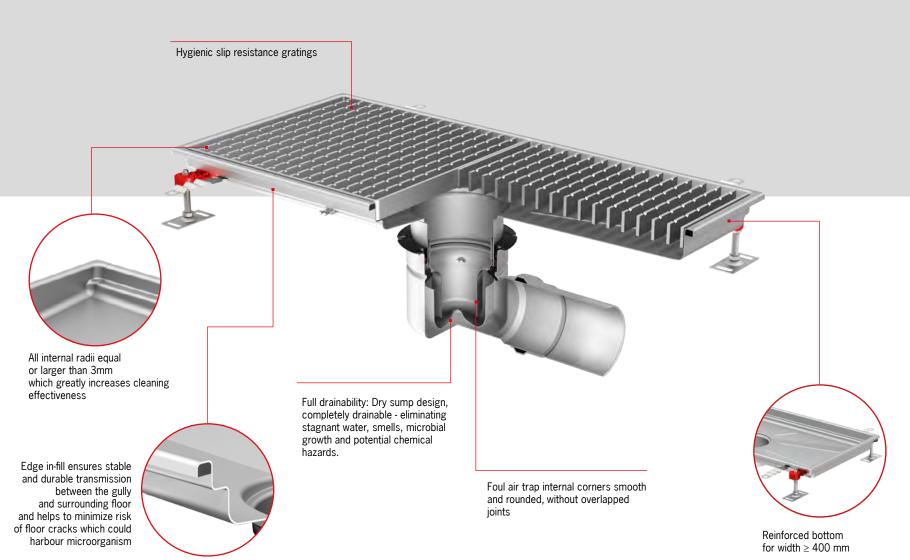
Kitchen—
Bathroom
Entrance & Lobby
Spa & Pool
Basement
Parking

ACO Hygienic Box Channel

Product overview

The ACO hygienic box channel range incorporates hygienic principles to ensure the optimum hygienic performance. The hygienic box channel range is ideal for applications where high standards of hygiene are required as they are capable of handling large volumes of fluid. ACO hygienic box channels are certified according to EN 1253.

- Hygienic design following EN 1672, EN ISO 14159 and EHEDG document 8, 13 and 44
- V-shape bottom for width up to 300 mm, reinforced bottom for width above and including 400 mm
- Adjustable EasyFix levelling feet
- Fully pickled and passivated
- Wide range of gratings for load classes L15, M125 and R 50

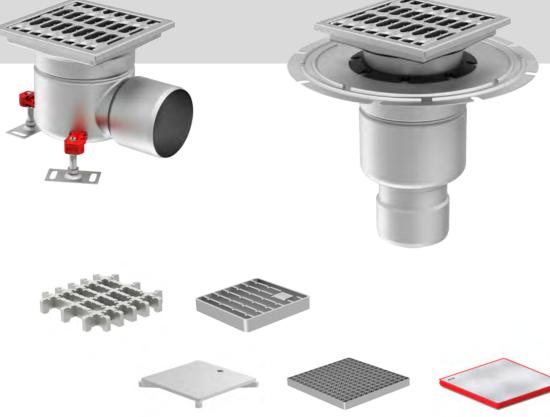


ACO Hygienic Gully

Product overview

The ACO hygienic gully range incorporates the hygienic design principles to ensure the best hygienic performance. Available in three body sizes, this range caters for various flow rates and construction requirements including shallow construction depths. Fire protective solution is also available for applications where preventative measures are required. ACO hygienic gully is tested and certified according to EN 1253-1 and EN 14159-1.

- Full drainability
- Internal radii equal or larger than 3 mm
- Hygienic joints
- Edge infill
- Stainless steel grade min. 1.4301 according to EN 10088 (304 according to AISI)
- Fully pickled and passivated



Gratings for ACO hygienic gully

A variety of grating types is available depending on application and requested load class. For applications with high hygienic demands ladder grating frameless or slot cover should be selected.

- Hygienic design following EN 1672, EN ISO 14159 and EHEDG document No. 8, 13 and 44
- Available in 1.4301 (304) or 1.4404 (316L) grades of stainless steel
- Fully pickled and passivated
- Certified according to EN 1253-1
- Range of gratings suitable to load class L 15, R 50, M 125 or N 250 (EN 1253-1)
- Slip resistant solution available

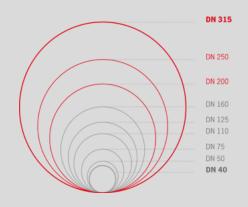


ACO Pipe Stainless steel pipe system

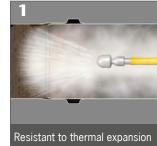
Product overview

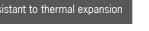
The stainless steel push-fit pipe system is designed for grey or black water. ACO pipe offers 40+ years product life thanks to its material properties. Easy installation and handling on site is ensured by push-fit assembly system and available cutting tools. ACO pipe is more hygienic, robust and durable when compared to plastic.

Wide range of nominal sizes



Six advantages of ACO pipe

















ACO Kerb

Hygienic wall protection

Product overview

ACO kerb is a reliable wall protection system that prevents walls from impacts (200 mm height up to 1 ton, 300 mm height up to 5 tons as recommended by EHEDG), water or chemical ingress, or other damages associated with traffic and production process. It is suitable for any food processing area.

- Protects walls from impacts caused by machinery or other transport systems
- Eliminates water ingress into the wall and leakage into other processing areas
- Curved design prevents accumulation of soils and allows easy cleaning





ACO kerb PB

ACO kerb PB-plain







ACO Lipurat/ Hydrojet

Grease separators

Product overview

ACO Grease separators according to European Standard (EN) 1825 rely on the relative density naturally present in the influent. FOGs, whilst wide ranging in relative density, are always less dense than water and naturally float on the surface of the water within the separator unit. Similarly, solid particulates common to most cooking processes are denser than water and sink to the separator base.







ACO Lipurat-OAE (stainless steel)

- Grease separator plant as per DIN EN 1825 and DIN 4040-100
- For indoors installation frost free
- With integrated sludge trap
- Draining connection, fire hose quick coupling B 2½"
- Suction and emptying sump with drain plug socket
- Automatic high-pressure internal cleaning with pump
- Nominal pressure: 175 bar
- Capacity: 13 l/min
- Chopping, mixing, rinsing in one process
- Disposal pump with free flow impeller
- Motor power: 3.0 kW/2850 rpm

ACO Hydrojet-Jet-OSE (PE-HD)

- Grease separator plant as per DIN EN 1825 and DIN 4040-100
- For indoors installation frost free
- With integrated sludge trap
- Operating side: right/left
- Draining connection, fire hose quick coupling B 2½"
- Suction and emptying sump with drain plug socket 1"
- Manual operation of the high pressure internal cleaning with pump
- Nominal pressure: 175 bar
- Capacity: 13 l/min]
- Disposal pump with free flow impeller
- Motor power: 3.0 kW/2850 rpm

ACO Grease trap AGT-40

- Designed for below-sink use in commercial kitchens and other foodservice establishments
- Prevents grease and food debris from entering waste water
- Protects waste water from grease and food debris
- Biological activators degrade and consume the FOG aiding the prevention of blockages in the wastewater system





Wastewater lifting plants

Product overview

Apart from the installation site and delivery head, the quality of the wastewater is another important aspect for choosing the right lifting plant. Wastewater from washing machines or washbasins, so-called grey water (non-faecal wastewater), does not contain any bulky solids. It can therefore be transported more easily than black water. Lifting plants for black waste water are designed to easily transport solids with-out blocking.



ACO Muli-Star DDP wastewater lifting plant for faecal wastewater – for freestanding installation

- Low weight
- Different inlet heights
- CFD-optimised impeller
- Ready to connect
- High usable volume up to 185 l
- Adapted to door dimension: 780 mm

Suitable for:

- Grey and black water
- Use downstream of grease separators up to NS 15



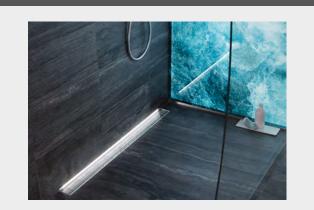
ACO Muli Pro-PE K duo wastewater lifting plant for faecal wastewater – for freestanding installation

- Different inlet heights
- High operational safety due to pneumatic pipe and air bubble injection
- Energy saving channel impeller pump
- Adapted to door dimension: 780 mm
- Wastewater lifting plants

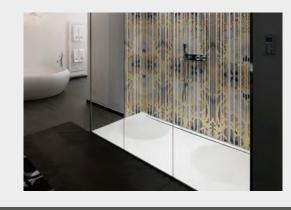
Suitable for:

- Grey and black water
- Use downstream of grease separators up to NS 20

Bathroom











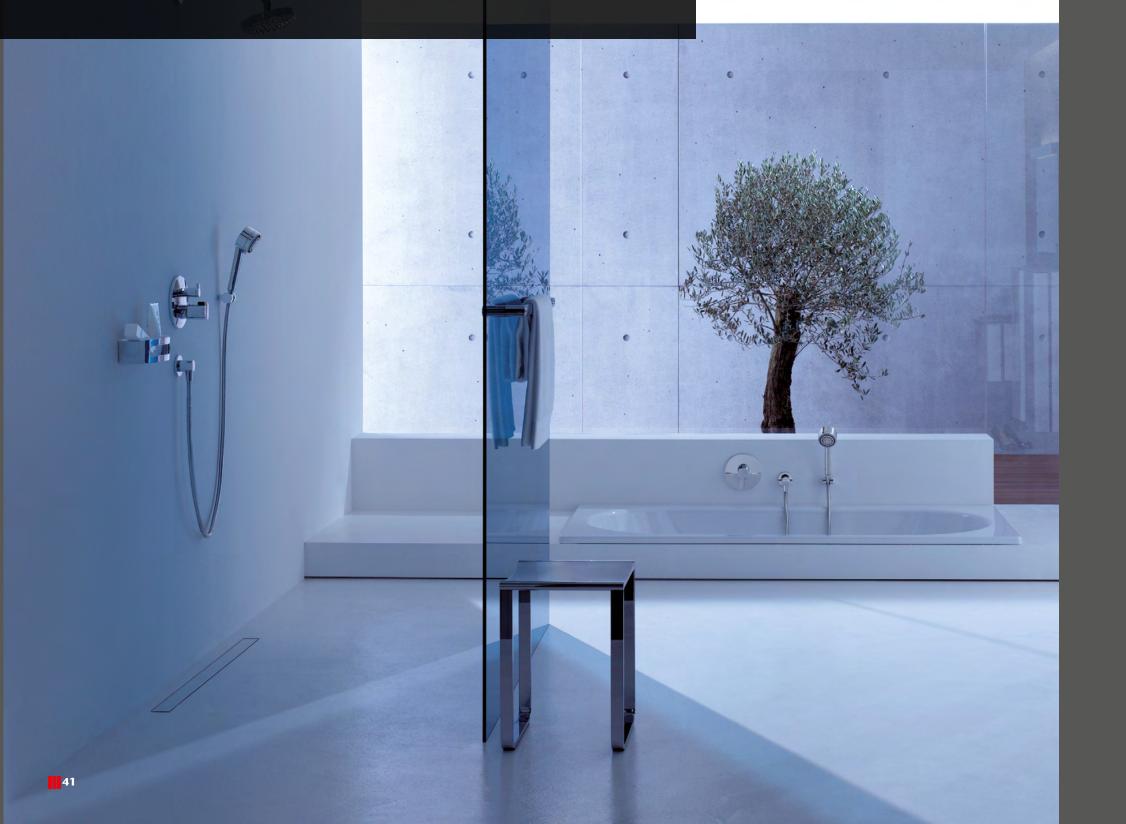




Bathroom

Designing a high quality bathroom involves a combination of aesthetic and functional challenges. The bathroom area is the place in the hotel where the requirements for comfort, safety and design are crucial for the overall wellbeing experience.

The trends in modern bathroom interiors are providing space and freedom of movement. Architects need flexible solutions that provide uncompromising quality, safety and freedom of design.





Barrier-free design

The idea of the floor-level bathroom design is inspired by High quality of materials in bathroom designs is essential Easy and effective maintenance is essential both for the generous space trends by reducing materials and transitions not only for the durability of the interior, but also for creating guest experience and operational costs. This is especially into renouncing all optical and factual barriers. It is also harmony between the different surfaces and ensuring safety important in bathroom areas. Round shapes and flat required in any public spaces where freedom of movement and easy maintenance of the area. Special focus must be surfaces without disturbing components provide for both a and free access for people with disabilities, elders or young placed on reliable connection between all elements of the harmonious design as well as for easy cleaning. In addition, children must be supported.

Quality

surface to ensure complete water tightness and prevention — all surfaces need to be particularly resistant to detergents. of damage to the structure or hygiene risks.

Care







European norms and regulations

EN 1253 - Gullies for buildings







Design & function provided by state of the art production technology



challenges that those projects meet. We support ces. our partners and customers with high quality ACO's premium products for hotel bathrooms design capabilities.

The comfort of a safe and easy installation is estations. managed.

Some areas of application have special architectural specifications and therefore require customized solutions, measured precisely down to the millimeter. Our flexible production facilities provide endless possibilities for customized designs and individual solutions.

Many years of international experience in provi- Our portfolio includes a wide choice of aesthetic ding solutions for hotels, bathrooms and sanitary stainless steel solutions to fit to every interior styareas have given us deep knowledge and under- le. The electro-polished finishing supports design standing of the essential requirements, needs and and easy cleaning due to ultra-smoothed surfa-

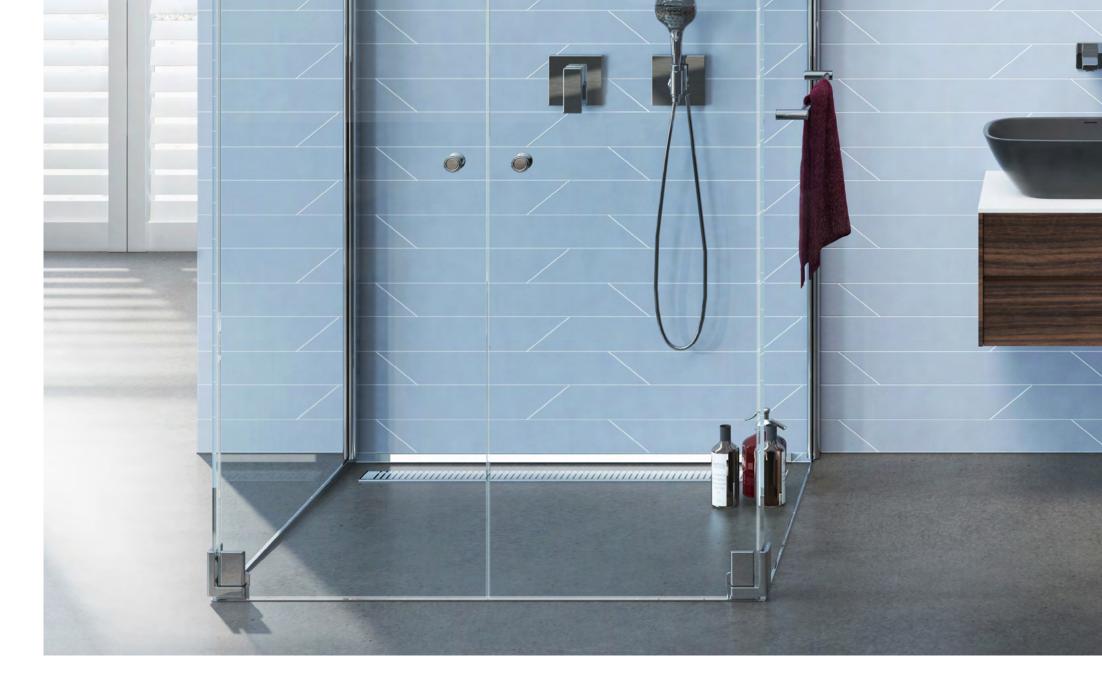
materials, perfect workmanship and outstanding guarantee maximum safety, load resistance and hygiene while meeting the highest design expec-

sential. Our one-piece solutions are ready to in- As a future orientated company ACO is investing stall completely watertight. Together with detailed into environmentally friendly product solutions. illustrated manuals the installation is efficiently Recuperation of energy is only one example towards sustainable buildings.



The heat exchanging drainage for shower areas offers a cost-saving and environmental solution.





ACO System solutions for bathroom









ACO Bath Gully MG

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ACO ShowerDrain E+

Stainless steel line drainage

Product overview

ACO ShowerDrain offers the perfect way to create generously sized, uniform bathroom designs without any interruptions, changes in materials or barriers. Whether the design incorporates discreet lines, curved point drainage areas, designer gratings made from stainless steel or glass covers, a hotel logo or integrated LED modules – with this option, the possibilities are endless. What is more, ACO's premium products for hotel bathrooms guarantee maximum safety, load resistance and hygiene.



reddot design award



- Material: Stainless steel, material grade 304
- Load class: Meets K3 requirements
- Internal channel width: 80 mm
- Flow rate: 0.6 l/s (with 20 mm build-up as per EN 1253-1)
- Outlet socket: Suitable for all push-fit pipe socket
- Foul air trap: 2-part, removable
- Flange types: Surrounding wall flanges
- Channel: Electropolished surface
- Mounting: Ready for installation
- Sound protection: Sound protection accessories integrated as standard
- Total building height: 105 mm (with water trap 50 mm



Accessories



 For retrofitting and minimum reduction of the shower channel's flow value by 0.04 l/s

Prevents drying out of the



Hair strainer

- water trap in the foul air trap • Material: plastic with mem-
- ACO EasyStop brane insert and lip seal



ACO ShowerDrain C

Stainless steel line drainage

Product overview

ACO ShowerDrain C offers a minimum building height of 65mm to unfinished floor level. Due to the removable foul air trap the full access to the pipeline is provided helping for the optimum cleaning of the channel. Furthermore the welded stainless steel body minimizes the risk of leakage and in the same time provides high flow rate of the system.



- Material: Stainless steel, material grade 304
- Load class: K3
- Internal channel width: 64 mm
- Flow rate: 0.9 l/s (with 20 mm build-up as per EN
- Outlet socket: Suitable for all push-fit pipe socket systems
- Flange design: Permanently cast-on, for optimum connection of a compound seal
- Type of flange: Surrounding
- Mounting: Ready for installation
- Channel body: Pickle passivated
- Gratings: Grinded
- Grating variants: Stainless steel designer gratings, tileable cover

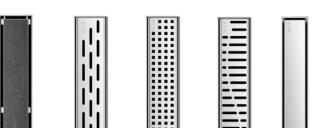
ACO ShowerDrain C with vertical flange

ACO ShowerDrain C with horizontal flange



ACO ShowerDrain C without flange





ACO ShowerDrain S

Stainless steel line drainage

Product overview

ACO ShowerDrain S offers a minimum building height of just 55 mm to unfinished floor level and meets all sound protection requirements (SSt I-III in acc. with VDI 4100). The removable submersible pipe in the foul air trap and the e-polished surface ensures the optimum maintenance. With just 2 cm visible width ACO ShowerDrain S is a perfect choice for elegant and discreet look offering comfortable barrier-free movement around the shower area.



- Material: Stainless steel, material grade 304
- Load class: K3
- Internal channel width: 34 mm
- Flow rate:
 - 0.5 l/s without build-up (ND 50/ND 40) 0.8 l/s with 20 mm build-up (ND 50 as per EN 1253-1) 0.65 l/s with 20 mm build-up (ND 40 as per EN 1253-1) 0.35 l/s without build-up (ND 32) 0.55 l/s with 20 mm build-up (ND 32 as per EN 1253-1)
- Outlet socket: Suitable for all push-fit pipe socket
- Flange design: Permanently cast-on, coated at the factory, for optimum connection of a compound seal

ACO Shower Drain S **Gully ND 32**



ACO Shower Drain S Gully ND 40



ACO Shower Drain S **Gully ND 50**

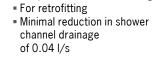


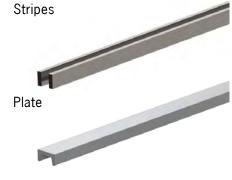
Accessories



Hair strainer

- Prevent pipes becoming obstructed with hair
- Simple removal and cleaningFor retrofitting





ACO Bath gully Point drainage

Product overview

ACO Easyflow floor gullies range offers wide choice of solutions for bathroom drainage. The gullies can be used either as main drainage system or in combination with line drainage. The variety of design gratings offers stylish combinations with line drainage solutions, as well a completely discreet option with integrated tile in the fully

The products are in full compliance with EN 1253-1 and all functional requirements. The installation is compatible with different floor structures and tile thickness. Easy maintenance is provided after full removal of the foul air trap.

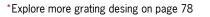


ACO Easy flow

- Material: Plastic, Top section ABS Gully body PP
- Outlet socket: Suitable for all push-fit pipe socket systems
- Flow rates: 1.0 to 1.6 l/s
- Gully body flange type: Clamping flange
- Mounting: Ready for installation
- Grating variants:
- Stainless steel (round or square)
- Tileable,Glass
- Retrofittable upgrates:
- Fire protection
- Lighting option







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ACO Bath Gully MG

- Grating: 95 x 95/104 x140
- Water trap: 25 mm
- Inclination: 1,5°
- Installation height: 51 mm







ACO Supplementary components

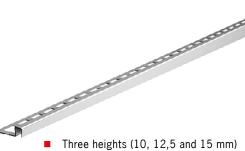
Product overview



ACO ShowerStep



ACO Lightline Pro



- for different tile thicknesses
- Two lengths available
- Pre-formed gradients
- Easy to fit
- Material: Stainless steel, material grade
- Upper surface: 12 mm, for use with or without glass shower wall



- Prefabricated stainless steel profile
- LED lighting
- Scatter coating to create the appearance of
- a light strip
- Suitable for barefoot and wet areas
- Protection class IP 68



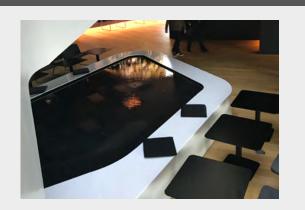
Entrance & Lobby







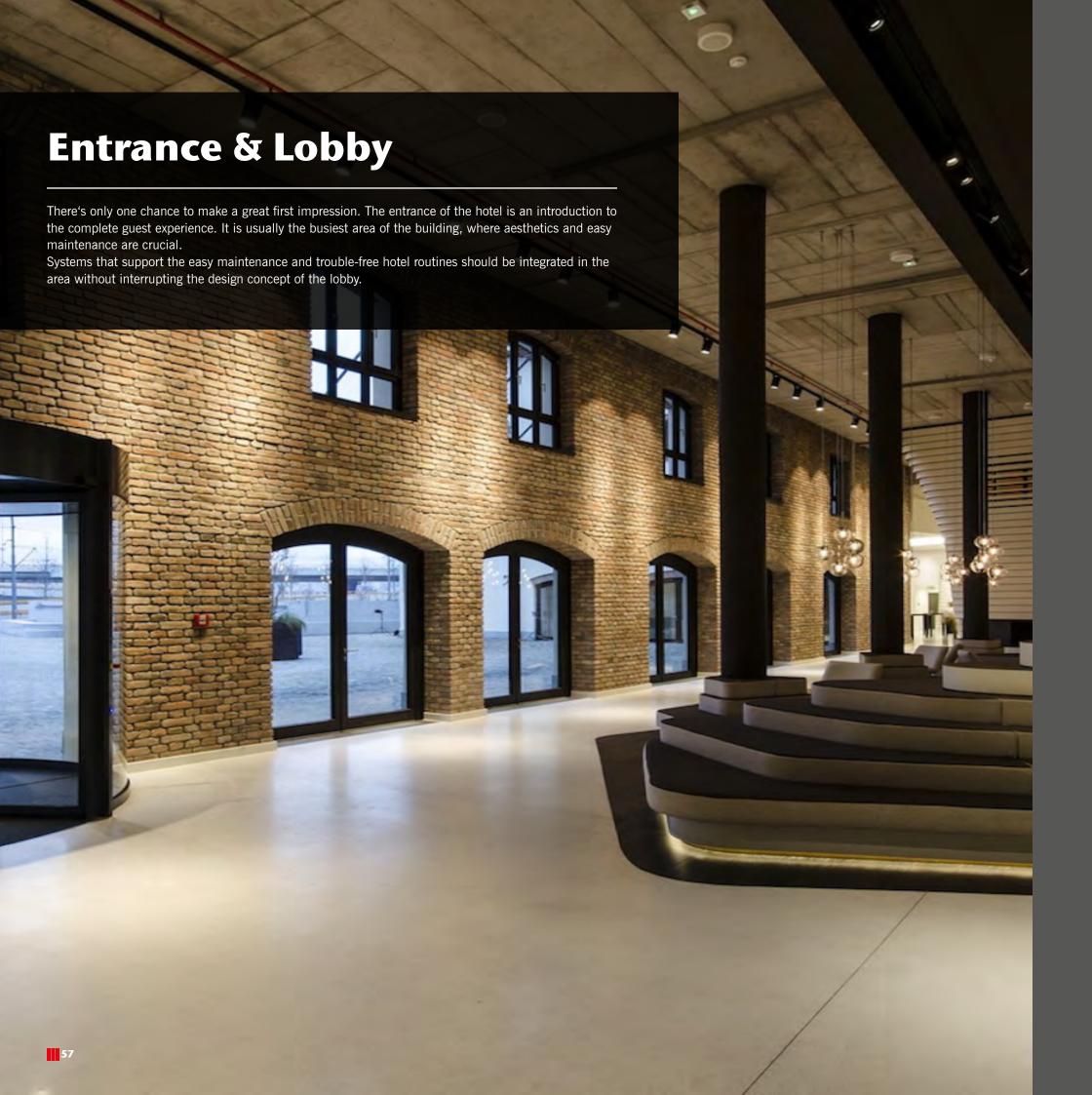








55





Aesthetics

the surface to allow barrier free and unobtrusive movement. the visual appearance.

Maintenance

Each detail in the lobby area can be the business card for Operational cost of the hotel can be significantly optimized Maintenance and renovation works affect the operations in or a cozy family hotel – it is this area that first welcomes phase. The busy area at the hotel entrance requires easy that cannot be easily closed or exchanged. All systems and the guests. Therefore the complete interior design with all and effective with correct design of designated areas that materials in the interior area have to provide long lasting and identity of the hotel. Special focus should be put on Easy access to utility systems is needed without disturbing special attention needs to be paid to high quality of materials

Durability

and careful selection of elements.





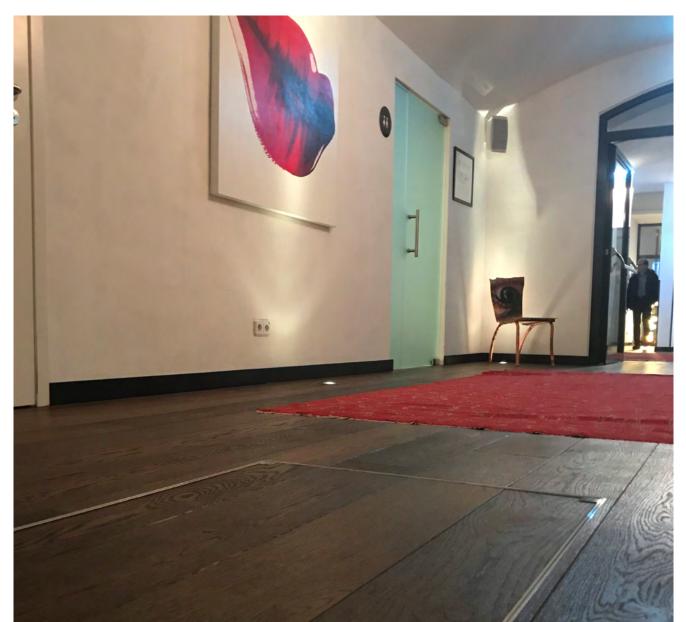


European norms and regulations

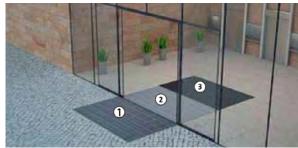
- **EN1253** Gullies for buildings.
- **EN1433** Drainage channels for vehicular and pedestrian areas.







Freedom of design and tailor made solutions





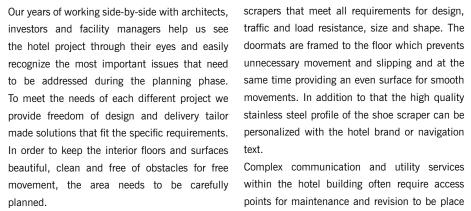
■ Zone 1 -Coarse dirt



Zone 2 -Fine dirt and moisture



Zone 3 -Remaining fine dirt and



offer includes a variety of professional shoe application requirements.

points for maintenance and revision to be place Designing designated areas to keep dirt from in floor boxes or under the surface. As final the outside and fine dust entering the inside of component of those points the access cover the building can optimize cleaning costs up to can be easily integrated into the overall design 90%. It is recommended to have 3 segments of concept of any sophisticated or individual the shoe scrapers – exterior part for bigger dirt building objects. Due to the selectable covering, particles, a segment within the spinning door installed in the lid of the cover – the solution is an and interior part for fine dust. The features of the ideal adaptation to the existing flooring available. doormat system are calculated by the expected Our range of access covers offers a wide choice of number of people entering the building. Our materials, solutions for different load classes and





ACO System solutions for Entrance & Lobby



ACO Mats



ACO Uniface cover

ACO Mats

Entrance matting systems

Product overview

ACO offer aesthetically pleasing solutions in many functional variations. They will keep your entrance clean by eliminating dust and fine dirt and protect your expensive flooring.

The shoe scraper mats are framed to stop them slipping and are installed flush with the floor surface, so level access to the entrance area is easy to

achieve. ACO shoe scraper systems are available in individual dimensions to meet the requirements of a huge range of installation situations.

- System of solutions for all three zones of application
- Flawless functionality
- Freedom of design in shapes and layouts
- Customized appearance
- Variety of sizes and profiles for different traffic
- Sophisticated details, including high quality stainless steel profile that can be customized with you hotel brand or navigation text or integrated LED lights













ACO Uniface cover Indoor access covers

Product overview

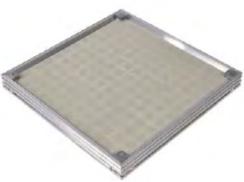
Hotels buildings need to meet special design expectations and often set a new standard for aesthetics and visual appearance. Surfaces are often design highlights. ACO Access covers provide freedom for planners without practical limitations. Recessed access covers are suitable for a thin floor surfaces in thickness up to 15 mm. The cover must be filled-up with concrete of required quality (C35/45) in order to achieve declared load capacity.

ACO Access Covers can be flexibly installed into any interior or exterior areas. Their installation and handling, as well as their maintenance and cleaning, are easy.

A wide range of standard types with many options, tailor made production and the possibility of using various floor surfaces make an ACO Access Cover look like an inconspicuous chameleon smartly merging into its background while retaining its full functionality and safety.

- Excellent optic aesthetics
- Meets declared load class up to M125
- Corrosion resistant alloy
- Precision thanks to crimping (mechanical fixing)
- 2+1 sealing water/odour tight+sand/ dust tight
- Easy opening prevents blockage
- Easy installation positioning of the cover in frame
- Tiny tolerances, perfect fit
- Very small corner parts (30×30 mm)
- Brass nut to prevent blockage
- Reinforcement in optimal position

ACO Uniface Smart



ACO Uniface Shallow



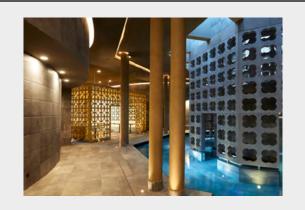


Spa & Pool















Spa & Pool

Spa and pool areas require special attention to every detail, usually being the signature area of the hotel building. As well as outstanding aesthetics and design that contributes to the feeling of wellness, particular focus must be devoted to safety and hygienic performance of the systems. Both outdoor and indoor areas are exposed to aggressive agents and/or weather conditions, therefore the materials used must be highly resistant and comply with strict safety requirements.





Safety

Durability

and sensitive areas such as pools and spa areas have even weather conditions. For indoor pools a major point to be space with barrier free surfaces. Floors covered with ceramic higher demands. Minimizing the risk of injuries requires considered is the reliable sealing of the surfaces, as leakage or natural stone are an integral part of the interior design. barrier-free movement, anti-slip surfaces, no sharp edges of chlorinated water can cause major damage to the Surface slopes and transitions between different materials walking occurs. Easy cleaning and high flow rate to prevent used in pools, as well as salty water in case of seaside be discreet and unobtrusive or present a design feature. blockage are important in terms of hygiene and maintenance locations can impact the surfaces. Therefore high quality materials such as stainless steel or cast iron, or high quality size and customized shapes.

Individual Design

Safety is most certainly a major concern in public buildings In outdoor pools the drainage systems are exposed to Modern wellness areas feature sophisticated, generous should be carefully planned. The drainage system could Projects often require versatile solutions in terms of design,







European norms and regulations

- **EN1253** Gullies for buildings.
- **EN1433** Drainage channels for vehicular and pedestrian areas.







Technology and craftsmanship are at the heart of our business

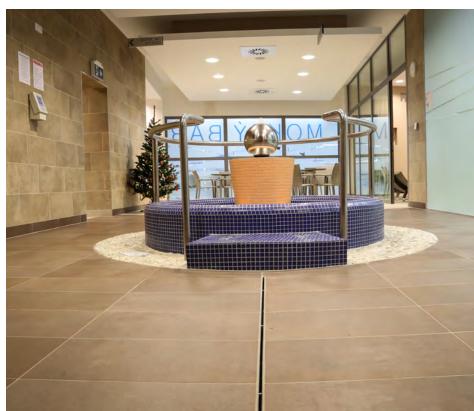


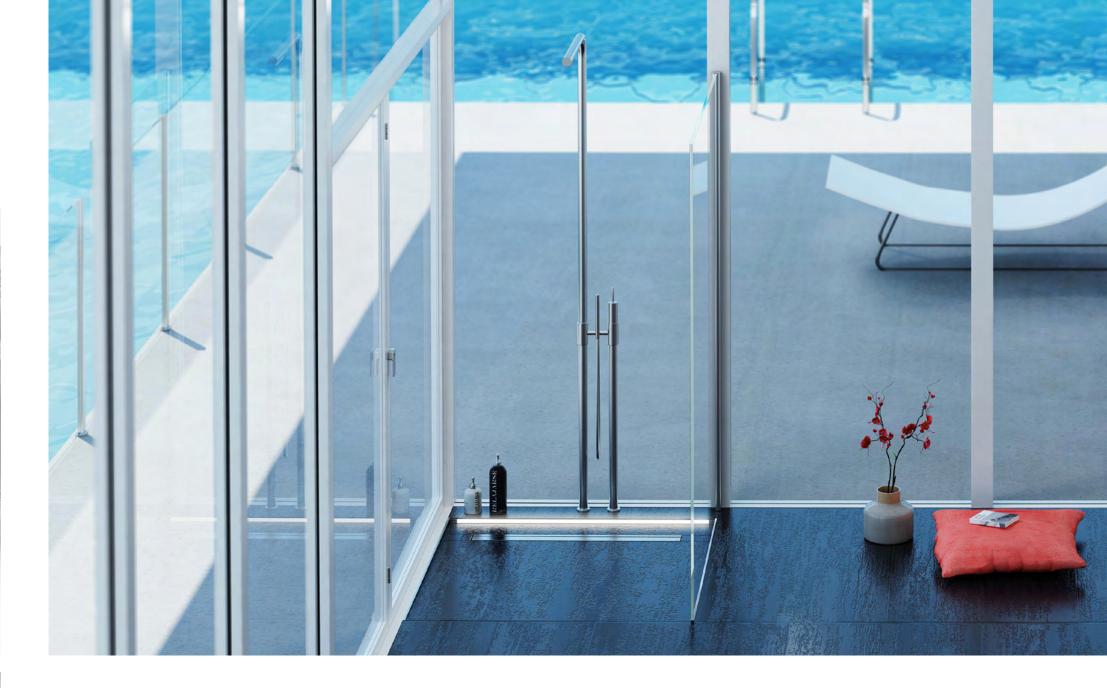


products deliver the ultimate hygienic performan-solution. ce. ACO uses advanced technologies to ensure customers get the very highest quality products. As one of the world's leading stainless steel drain

different environments so we minimize potential design, great emphasis is also placed on safety, threats and optimize cleaning performance. We protection against injuries, hygiene and last but

In order to meet all project requirements, const-With more than 40-years experience of stainless ruction, drainage is mostly made to measure. steel manufacturing, ACO continuously adopts Technical consultancy in the design phase and new technologies and processes to ensure our during construction is an integrated part of our





ACO System solutions for spa & pool









ACO ShowerDrain Flex



ACO Floor Gullies



athroom
ntrance & Lobby
pa & Pool
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ACO Euroline

Channels with gratings

Product overview

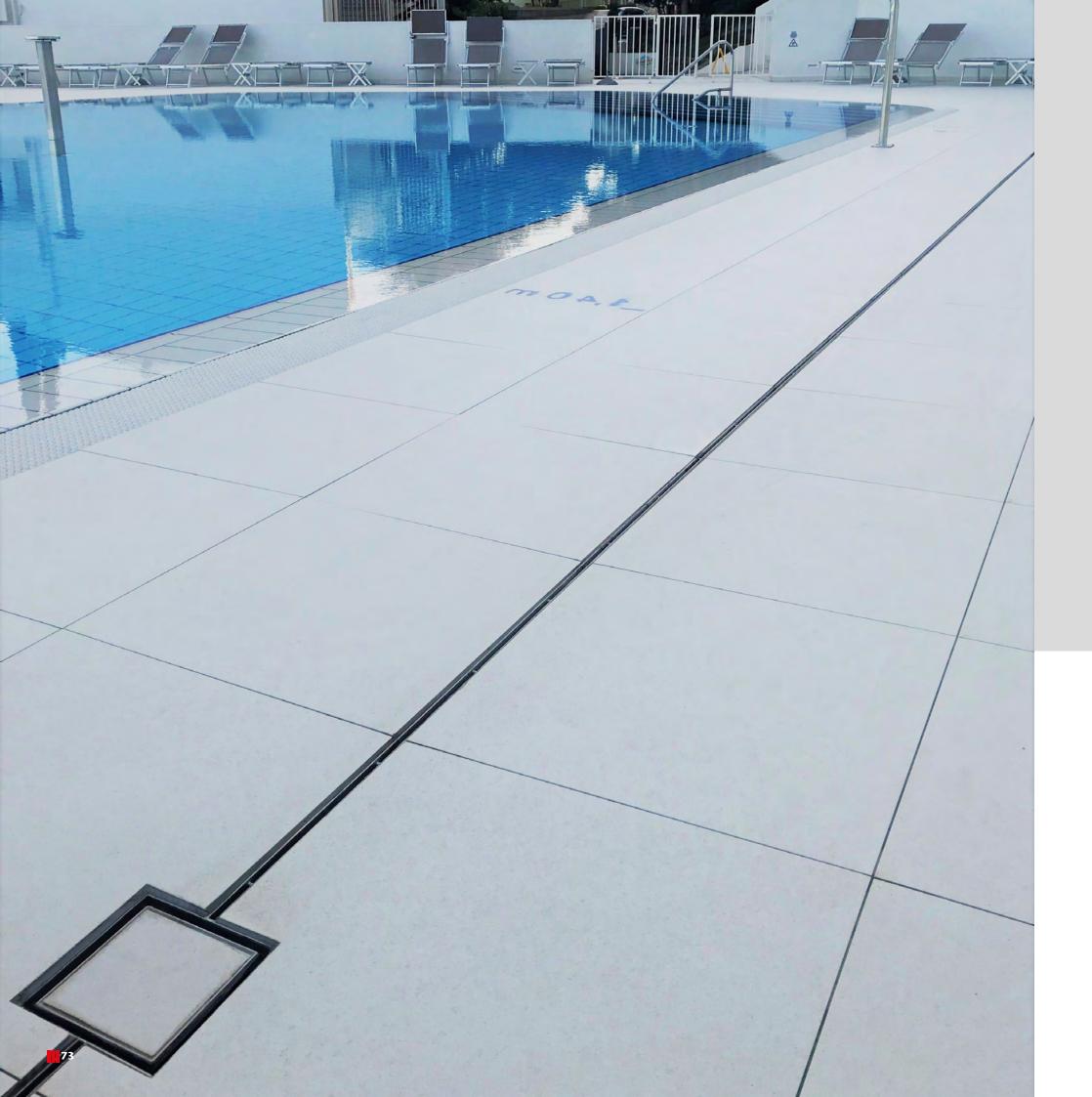
ACO Euroline channels offer the perfect solution for collecting water from pedestrian areas such as alleys, outdoor pools, playgrounds and gardens. The system offers a variety of designs to meet architectural requirements – such as stainless steel, cast iron or colored gratings. While providing safety and comfort for pedestrians, the gratings are also drivable. The system is easy to install and offers trouble-free maintenance.



- Polymer concrete or plastic channel body
- Variety of design gratings made of cast iron, stainless or galvanized steel
- Option for slot frame for discreet drainage
- Anti-slip and drivable







Sathroom
Entrance & Lobby
Spa & Pool
Basement
Parking

ACO Slot channel

Stainless steel slot drainage

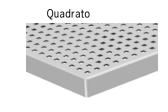
Product overview

Thanks to its narrow profile, the 8mm slot channel is almost invisible at the floor. It is being installed mainly near swimming pools and in such environments, where unobtrusive drainage is required. The clear width of slot is only 8mm and the visible floor width with edges 14mm (folded edge) or 38mm (standard edge 15mm).

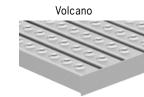
- Certified according to EN 1253 1 and EN 1433
- Available in 1.4301 (304) or 1.4404 (316L) grades of stainless steel
- Material thickness 1,5 mm
- Fully pickled and passivated
- Rubber edge infill for standard edge 15mm
- V-profile bottom for enhanced flow efficiency at low flow rates and for improved self-cleaning performance
- Adjustable EasyFix levelling feet
- Revision pieces 170x170mm for combination with ACO gullies EG150 (up to flowrate 1,5l/s) and ACO gully 142 (up to flowrate 1,9l/s)
- Gullies with horizontal or vertical outlet DN70 or DN100

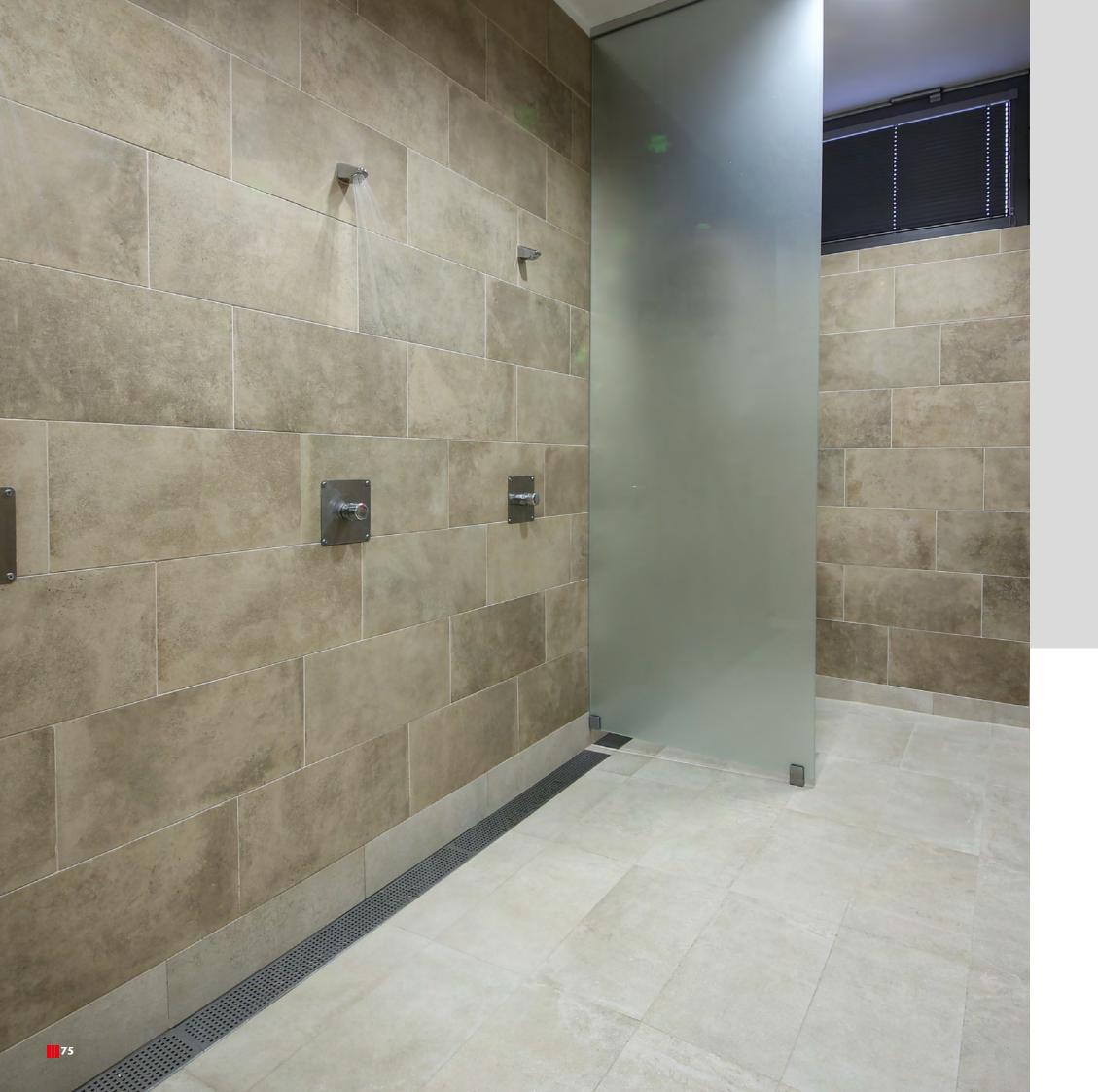


Suitable grids for inspection parts









itchen
athroom
ntrance & Lobby
pa & Pool
asement
arking

ACO ShowerDrain Flex

Custom made line drainage

Product overview

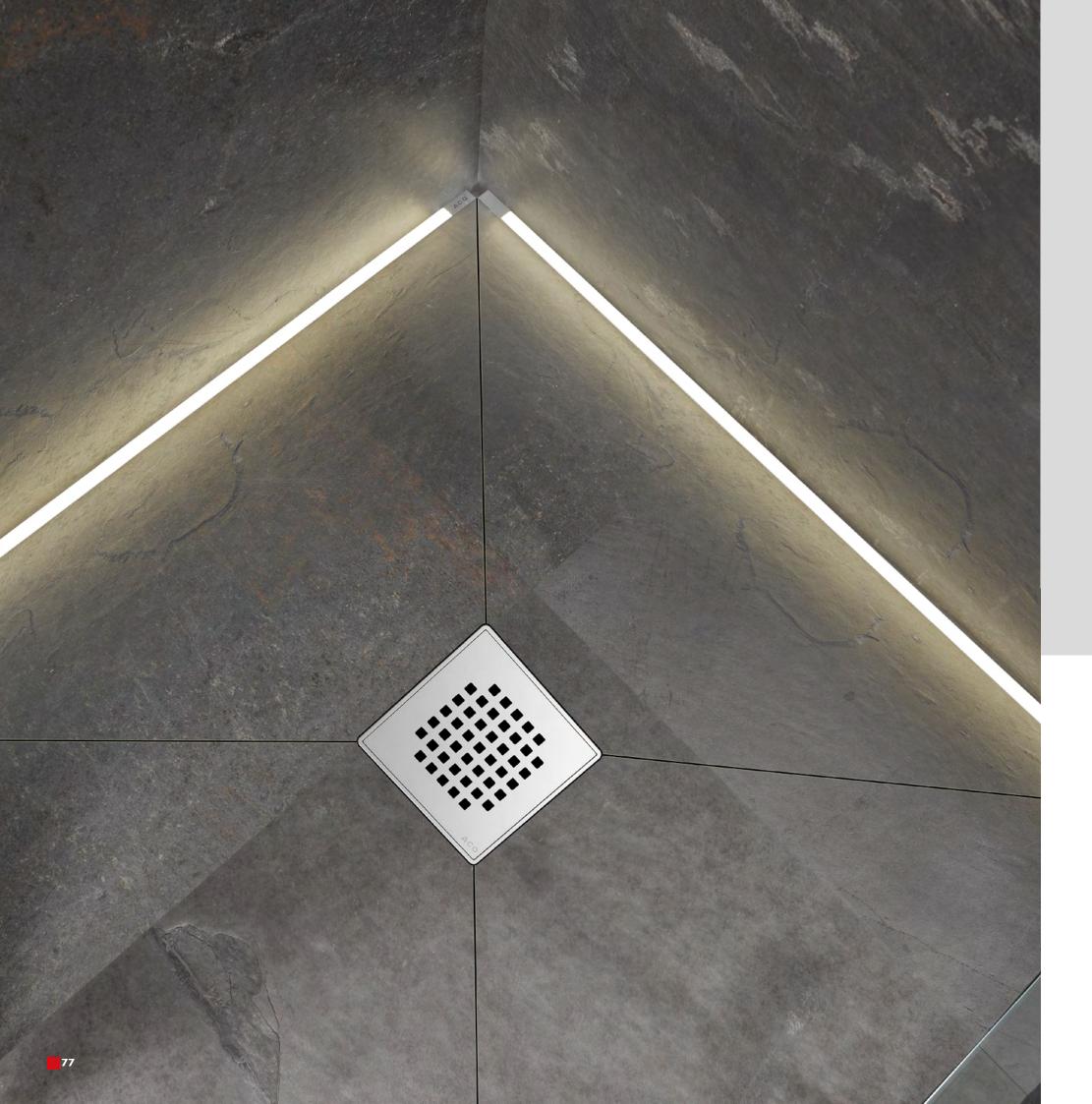
ACO FlexDrain is a reliable and flexible solution for shared showers in pools and spa areas. The length of the channels can be ordered in compliance with the specific requirements. The internal longitudinal gradient of the bodies guarantees effective drainage. Stainless steel gratings in various designs offer aesthetic design, safety and easy cleaning.

- Width of single segment up to 6 m. Segments can be connected without visually disturbing the surface
- Typical production material is stainless steel grade 1.4404 (AISI 316) 1.4301 (AISI 304).
- Visible floor width 90 mm
- Horizontal flange for connection to thin-bed sealing
- Optional vertical flange for installation next to the wall
- Internal longitudinal slope of the body
- The shape and dimensions of the trough can be easily adapted to project requirements (corner joints, T-joints and angled joints).





- Channel width excl. flange and upstands: 70mm
- Channel height incl. drain body and upstands: 85
- Welded drain body DN 50 horizontally
- Tile edges height: 12 mm, mounting feet L: 200 mm
- Material: stainless steel 1.4301



ACO Easyflow Floor gully

Product overview

ACO offers a wide range of floor gullies suitable for spa & pool applications. To meet the requirements of EN 1253-1 we recommend the installation of a ACO Easyflow floor gully. It has been designed for different floor thickness and floor structure heights and offers an optimum pipe access after removal of the foul air trap. ACO Easyflow floor gully is retrofittable thanks to an assembly-friendly fire protection kit. It is available for all gully bodies with vertical socket inclination in ND 50, 70 and 100.



- Material: Plastic, Top section ABS Gully body PP
- Outlet socket: Suitable for all push-fit pipe socket systems
- Flow rates: 1.0 to 1.6 l/s
- Gully body flange type: Clamping flange
- Mounting: Ready for installation
- Grating variants:
- Stainless steel (round or square)
- Tileable,Glass
- Retrofittable upgrates:
- Fire protection Lighting option
- Dry foul air trap

ACO Easyflow



Designer gratings made from stainless steel





















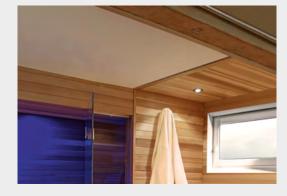




Basement









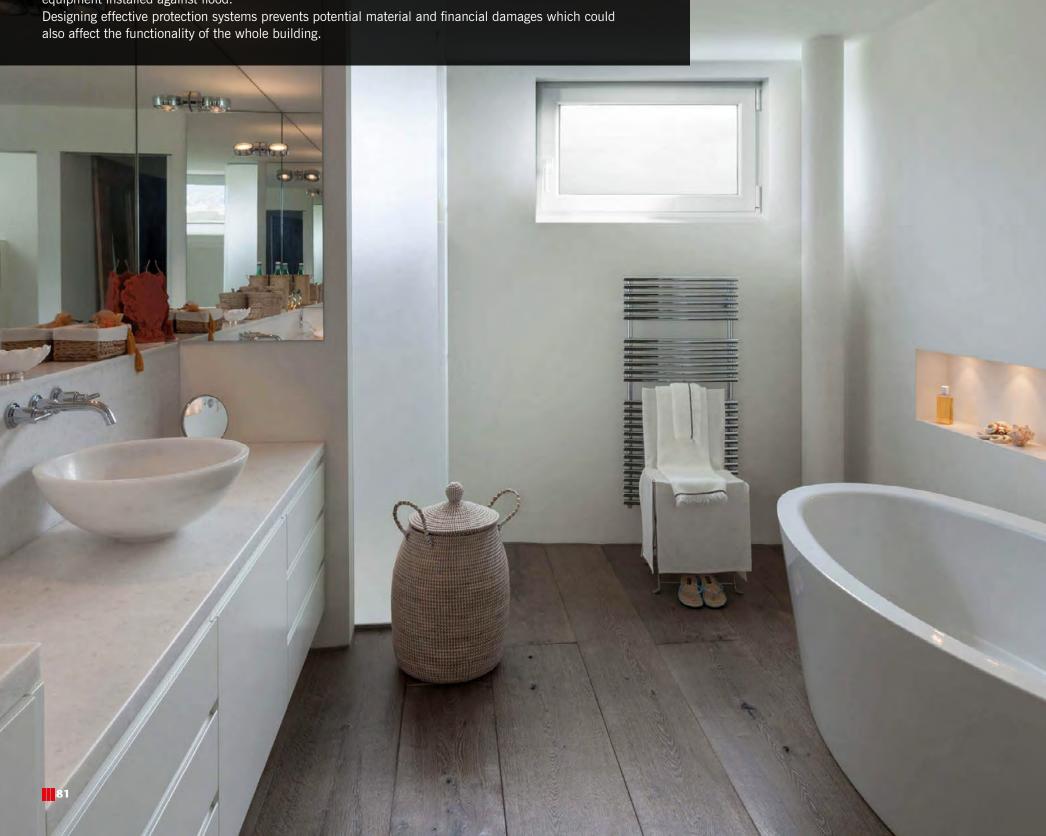






Basement

Modern and innovative systems give a whole new value to underground spaces of the building. Fresh air, natural light and protection against flood or moisture provide the opportunity to make use of the basement, not only as storage and facility rooms, but also a variety of other purposes. With increasingly extreme weather events, the main objective is protecting the construction, underground spaces and any equipment installed against flood.





Water tightness

is to protect the construction, the underground spaces and cause significant maintenance costs. equipment and thus the safety and comfort of inhabitants.

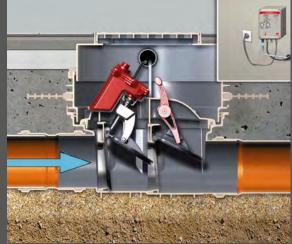
Backflow control

Climate change causes increasingly extreme weather In the case of heavy rainfall the public sewer may be The lack of fresh air or natural light significantly limits incidents. Heavy rainfalls more frequently and initiates overloaded, the water presses down into the basement. the functionality of the underground level of the building. significant damages to buildings and infrastructure. The Backflow control ensures that the basement remains dry. Especially in urban areas with dense construction, every challenge to protect the lower levels of the building from The underground areas in particular can be affected quickly square meter is valuable for the investor. Providing access flood and moisture is of utmost importance. The objective by backwater. This may result in damages to equipment and for natural light and ventilation not only gives more

Natural light and fresh air

opportunities for use of the basement but also reduces the operational cost of the building.







European norms and regulations

EN 13564 - Anti-flood devices for buildings **EN 14351** - Windows and doors. Product standard, performance characteristics.
Windows and external pedestrian doorsets







Smart solutions for a whole new purpose of underground spaces





should be used as effectively as possible. With of purposes.

Irrespective of the use designated to the below rary requirements, professional consulting, calcuground area, there are a number of factors that lation software and statutory documentation. can guarantee safe and cost-effective operation within the areas and protect the building as well as equipment and ensure constant operation of the facilities.

The most important prerequisite is reliable anti-flood protection. Climate change requires pioneering innovations to counteract extreme weather conditions. That includes systems that guarantee ultimate water tightness, back-flow prevention and energy saving.

In addition, ACO's innovative solutions for base-

Modern architecture trends clearly put high rement areas can give a whole new purpose to the quirements for functionality of basement spaces. underground spaces. Designing a system that Real estate prices and return of investment ra- allows natural light and fresh air into the room tes imply that each square meter of the building can make it comfortably inhabitable for a range

the complexity of hotel projects, there are a varie- In addition to the innovative system solutions, a fitness centre, spa area, staff offices or houseners and to supportreliable designs with extensive knowledge on trends, regulations and contempo-



ACO System solutions for basement



ACO Therm Lightshaft



ACO Therm Cellar window



ACO Therm Block



ACO Backflow systems

ACO Therm Lightshaft

Product overview

The ACO Therm light shafts are highly rigid and can be used not only for standard areas but also for pressurized water. They can be adapted to the existing level of the ground or floor with the help of stacking components. ACO offers reliable protection for your basement and its contents. The ACO Therm basement protection system, which comprises the ACO Therm Block with an integrated window that is proof against flooding, together with the ACO Therm light shaft that is mounted so that it resists pressurized water, with the ACO light shaft drainage and ACO backflow protection, ensure the rooms in the basement are dry, warm and lit naturally.

Awards for the design profile grating:

Plus X Award

- Best product 2016/2017
- High quality, design and functionality

Iconic Award 2016

Winner category products facades

















ACO Therm Lightshaft with backflow stop

The ACO Therm light shaft is additionally secured thanks to the backflow stop. The integrated valve ensures that backflow is not pushed into the light shaft and thus can not get into the basement.





Kitchen
Sathroom
Entrance & Lobby
Spa & Pool
Sasement
Parking

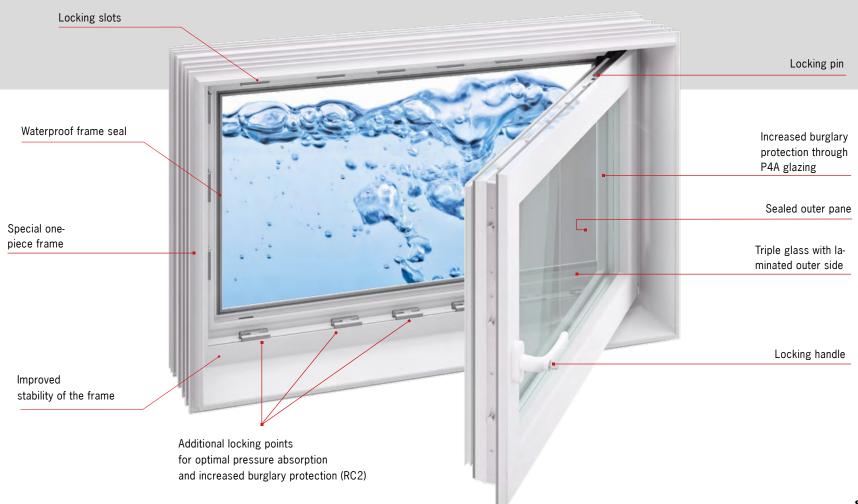
ACO Therm Cellar Window

Product overview

For new building construction, the ACO Therm® system consists of windows, which are based on current and future insulation standards. All ACO Therm® 3.0 windows - whether standard or passive house version - contains a 4-chamber plastic wing and a 5-chamber plastic frame with a profile depth of 82 mm.

Mainly for flood-prone areas, a flood-proof version of the ACO Therm® 3.0 reveal window is available.

The high-waterproof ACO Therm® 3.0 is also burglar-resistant to class RC2.





ACO Therm Block

Product overview

ACO Therm System provides integrated solution for basements. The innovative ACO Therm Block provides heatinsulation, waterproofing, and flood protection in one system. It is compatible with standard lightshafts and integrated waterproofing. Additional benefit of the system is the quick and simplified installation, preventing the need of additional finishing.



- The high quality PUR-material guarantees easy installation, watertight system and reliable heat-in
- Sealing flange for watertight connection
- Easy installation without need of additional finish
- Integrated system with ACO Therm Lightshafts and Cellar windows

ACO Therm Block range



Standard panel with integrated window frame



Standard panel with integrated therm-window



Panel with integrated waterproofing and window



Panel with integrated waterproofing and thermwindow



Product overview

Active backflow safety valve units are also differentiated according to the type of wastewater: either wastewater containing faeces or wastewater free of faeces. A large number of lifting plants, submersible pumps and pump stations are available for this purpose. Active backflow safety valves are used wherever there is no natural gradient towards the sewer.



Backflow safety valve Triplex for water without faecal matter

- Made of plastic
- Type 2 tested to EN 13564
- For non-faecal wastewater (grey water) and rainwater har-
- With two automatically closing backflow flaps, one of which as a manually lockable emergency valve
- With large cleaning and maintenance opening and test hopper

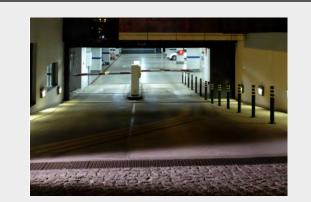


Quatrix-K – for exposed pipework

- For installation in exposed pipes
- Type 3F tested to EN 13564
- With double backflow safety valve
- With 1 automatic operating seal
- With 1 manual emergency valve
- With large cleaning and maintenance opening and test
- With ready to plug in, electrical control unit IP 54 with integrated 4-week self-monitoring
- With visual and acoustic backflow signal



Parking







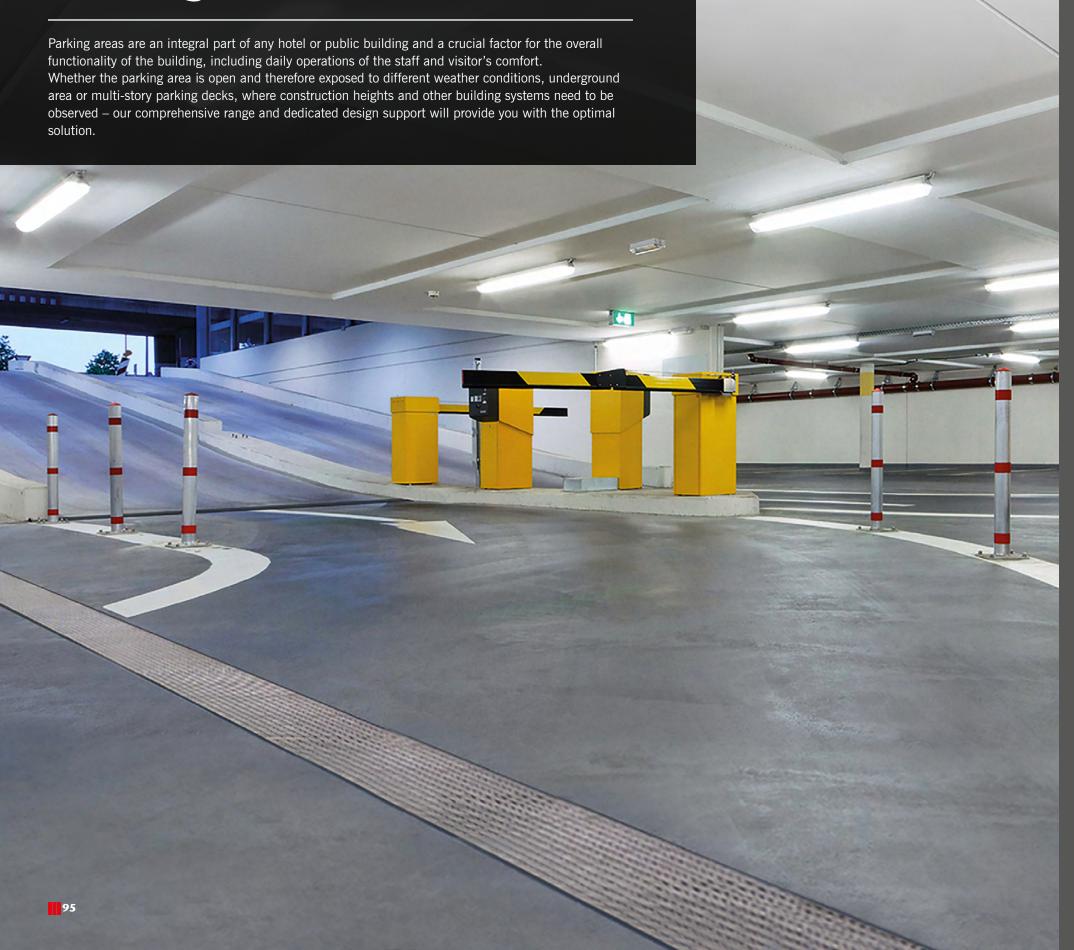








Parking





Effective drainage

Aesthetics

The impermeable surface of public parking areas creates Drainage systems are integral part of landscaping in public At any site, such as car parks, where there is risk of surface a significant volume of surface water runoff that needs to parking areas. Therefore, their finish and design are required water being contaminated by hydrocarbons are required be addressed. Underground parking spaces often require to complement and enhance the aesthetic qualities of the steps to prevent pollution. Sustainable drainage systems drainage solutions with restricted installation space and property. Modern surface water management solutions are require control of surface water runoff and, as part of this special attention in the area of the access ramps, where designed to provide further architectural and aesthetic value approach, oil separators treat water before being discharged. slopes and intensive traffic imply special requirements to to the project with variety of design options, discrete slot openings and integrated LED lights.

Surface water treatment







European norms and regulations

- EN 1433 Drainage channels for vehicular and pedestrian areas
- **EN 858:2003** Separator systems for light liquids
- EN 124 Gully tops and manhole tops for vehicular and pedestrian areas
- EN 13564:2003 Anti-flooding devices for buildings
- **EN1253** Gullies for buildings

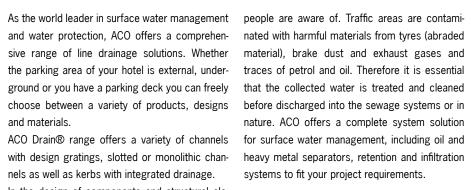






Complete surface water treatment solutions for indoor or outdoor parking





In the design of components and structural elements, the choice of suitable materials determine
Surface water management of underground or the aesthetic and functional qualities of the pro- indoor parking can often be a complex task. The duct. The materials used by ACO are characterilimited installation space in parking decks is a mazed by their strength, ageing resistance and their jor challenge for drainage systems. At the same resistance to aggressive media, frost, heat and time, a special focus is required to providing wasunlight. Thanks to their long life and recyclability, tertight connection between the channel, the slab they are equally sustainable and environmentally and the pipe system. The ACO Design Team is compatible and are used in an application-orienable to work closely with you through the entire tated way.

ain significantly more contamination than most design of surface water management schemes

nature. ACO offers a complete system solution systems to fit your project requirements.

design process. Our unique Hydraulic design soft-Surface water that runs in parking areas cont- ware enables the efficient and accurate hydraulic using channels as means of conveyance.





ACO System solutions for parking



ACO MultiDrain Seal in



ACO KerbDrain



ACO Qmax



ACO Monoblock



ACO Deckline



ACO Oil separators



ACO MultiDrain Seal in

Drainage channels with design gratings

Product overview

OLD MILL HOTEL, BELGRADE

The ACO MultiDrain range is designed to provide advantages for all - from the design phase to the installation and maintenance. The Seal in technology consists of the waterproof, frost-resistant polymer concrete channel body and a standard integrated 2-component EPDM seal on the gutter joint. It offers a variety of load class options, sizes, edge rails and the widest choice of standard, design or customized gratings. In addition to all that you can benefit from professional design tools to visualize the surface design and calculate the optimal drainage performance.



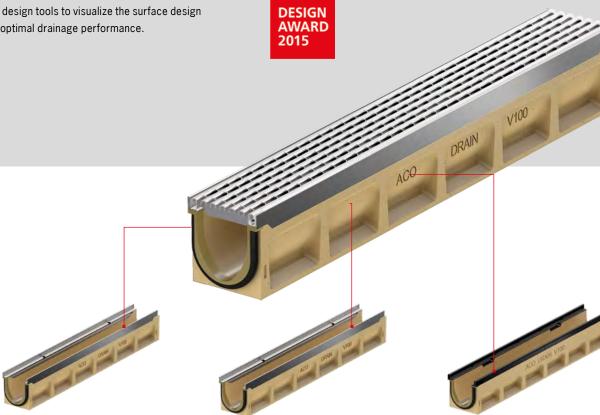
Design Award

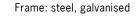
NOMINEE 2015



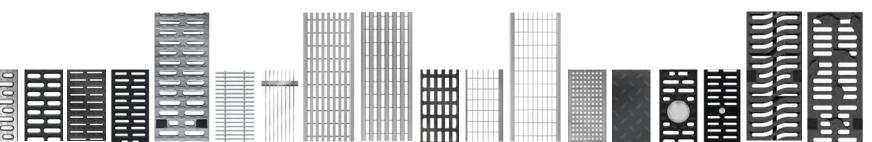
■ Choice of design gratings: Cast iron, stainless steel, galvanized steel or plastic Freedom to create individual designs, as well

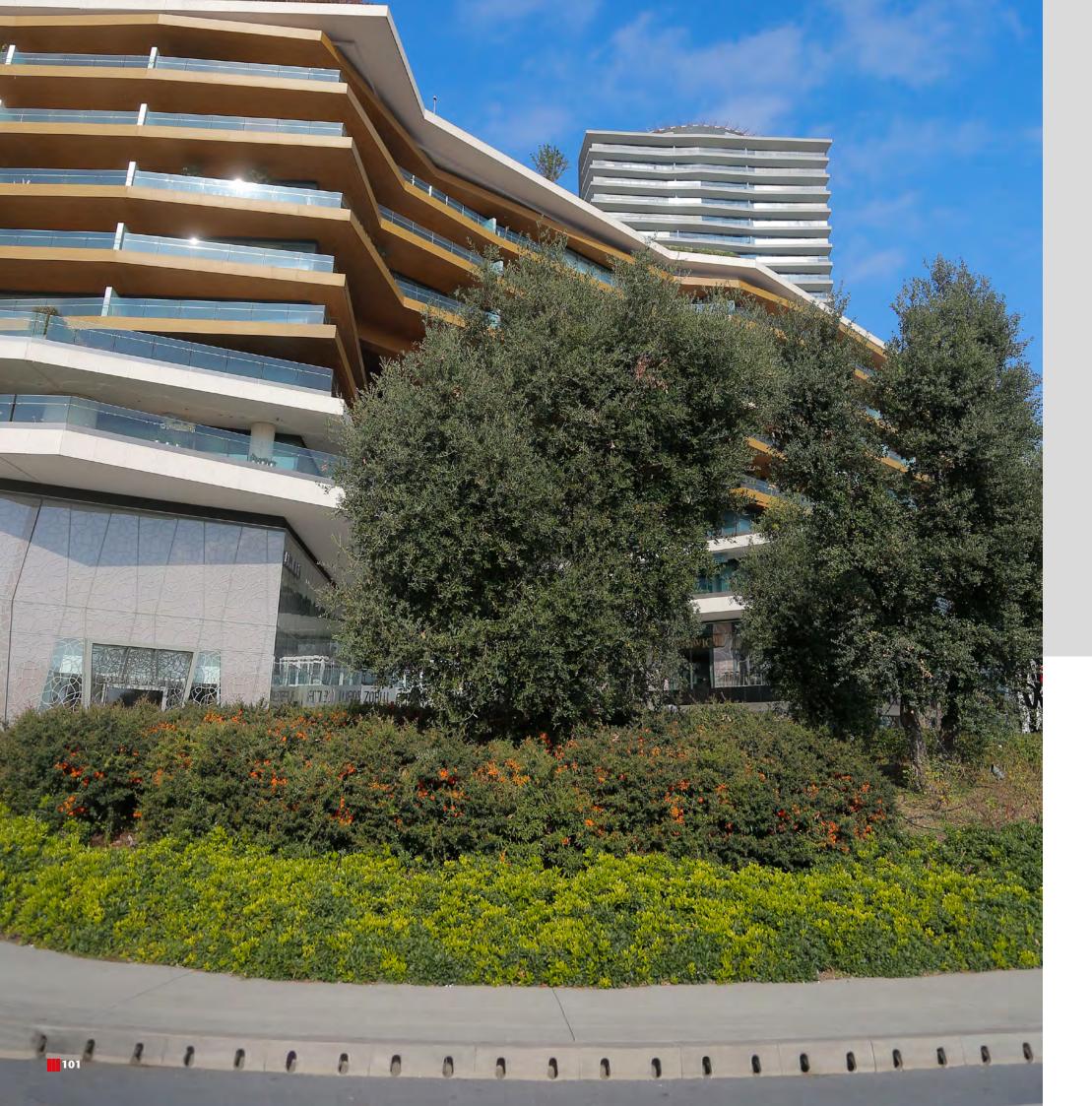
- as option for integrated LED lights Polymer concrete channel for optimal stability, hydraulic performance and resistance
- Flexible design options, due to variety of sizes, including low-profile solution





Frame: stainless steel





Kitchen
Bathroom
Entrance & Lobby
Spa & Pool
Basement
Parking

ACO KerbDrain

Kerbs with integrated drainage

Product overview

ACO KerbDrain is an award winning combined kerb and drainage system specifically designed and developed to form an integral part of any modern, sustainable surface water management solution. The system provides versatile solutions for traffic and parking spaces, curves and access areas. It guarantees optimal lateral drainage while leaving the surface uninterrupted.



- Combination of surface drainage and curbstone: "2 in 1"
- Monolithic system with no loose parts
- Manufactured from polymer concrete for optimal stability and resistance
- Variety of elements for form curves and access areas

Choice of depths Available in 255mm, Drainage inlets designed to 50% higher impact resistance than 280mm, 305mm, 380mm, 405mm and resist debris traditional kerbs 480mm depths blockage DF hole for draining porous asphalt or providing temporary drainage of subsurface during Load Class D 400 ACO KerbDrain® is fully certified to Load Class D 400 EN 1433:2002 and CE marked Sealant groove for simple watertight Installation benefits installations Kerb units available in 1000mm and 500mm External surfaces anchor channel securely Made from into concrete surround sustainable materials to prevent displacement Thermally stable, chemically resistant, environmentally friendly polymerconcrete. Suitable for highway drainage in compliance with EN 1433:2002

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ACO Qmax®

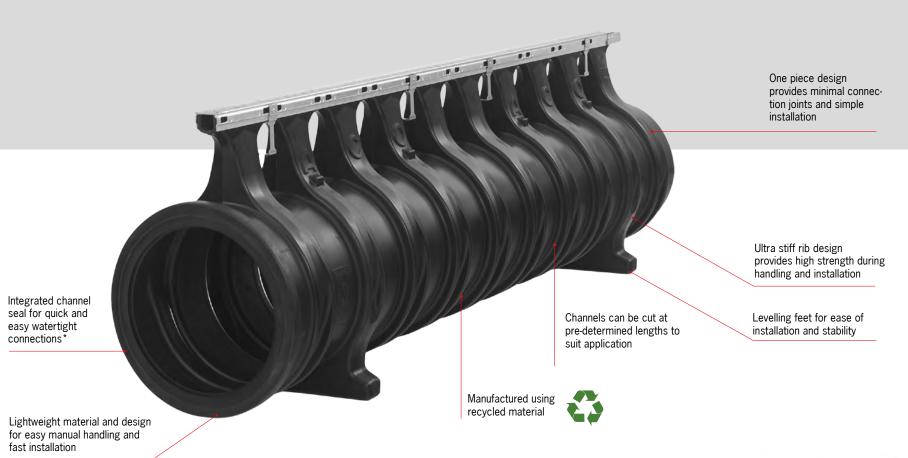
High capacity slot drainage system

Product overview

ACO Qmax® satisfies the demand for a versatile, high capacity slot drainage system for applications involving small to large catchment areas. It is specifically designed to form an integral part of any modern, sustainable surface water management solution. The system maximizes the hydraulic capacity available providing effective storage, attenuation, and eliminating carry over in stormwater conditions.



- Hydraulic capacity slot channels
- All advantages of slot and heavy duty channels in one system
- Highest hydraulic capacity and attenuation
- Variety of sizes and edge rails to suit your project requirements





edge rail

Q-flow galvanized

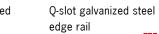
steel edge rail







Q-guard galvanized steel edge rail





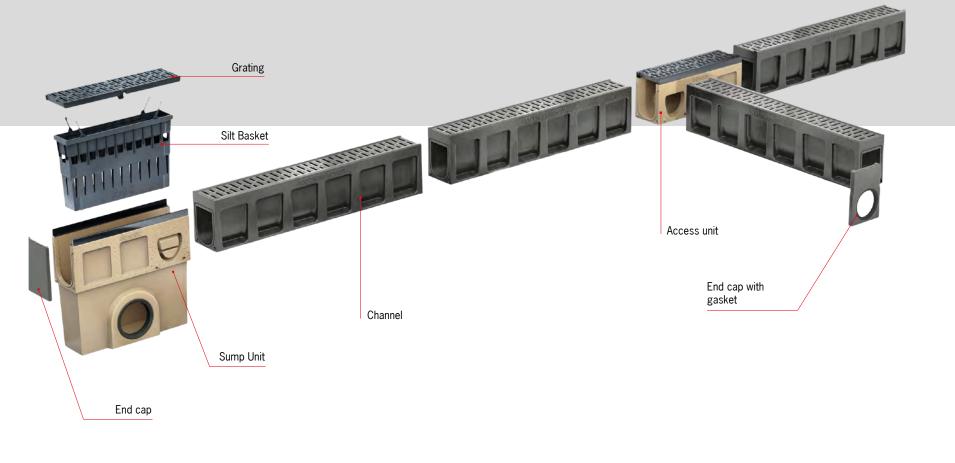
ACO Monoblock

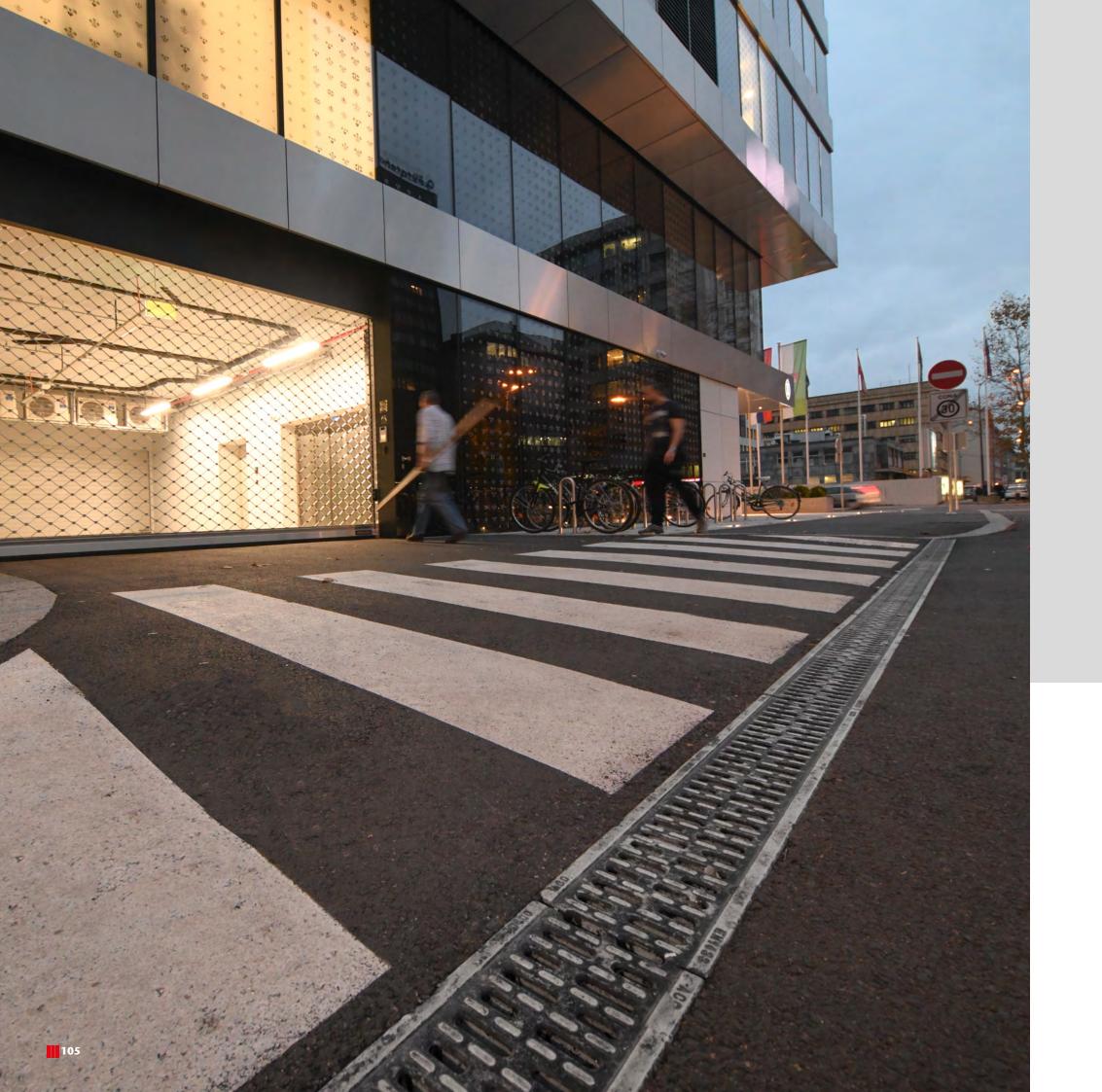
Monolithic drainage channels

Product overview

ACO Monoblock is a one-piece channel drainage system that delivers multiple benefits including safety and sustainability, economical and efficient installation and aesthetic choices across various applications. Designed to meet extreme requirements, such as intensive traffic and weather conditions, the system provides also optimal comfort for pedestrians and easy maintenance.

- Monolithic structure for superior stability even in extreme conditions
- No loose parts, traffic and vandalism safe
- Suitable both for pedestrian and traffic zones
- Colour options to suite aesthetic requirements





ACO Deckline

Line drainage for parking decks

Product overview

ACO Deckline channels are made from only highly resistant materials such as polymer concrete or stainless steel. Suitable gratings are made from composite plastics, stainless steel or cast iron. For a lengthy lifetime of building and drainage channels, ACO strongly recommends to use exclusively run-off drainage systems in combination with grated channels for easy maintenance and cleaning in parking

ACO Deckline S without coating-flange

ACO Deckline S with coating-flange

ACO Deckline P



- Compatible with penetration element to connect sealing layer underneath the channels.
- Watertight connection system with 3M sealing tape. No welding. No screwing.
- Quick and easy installation process through simple connector system. Optional "hanging" installation.
- Material: Stainless steel V2A.
- High load class performance up to C250.
- Flexible: Recommended solution for concrete or screed flooring. Others equally possible.

- Integrated flange for firm and durable connection with resin coating layers.
- Watertight connection system with 3M sealing tape. No welding. No screwing.
- Quick and easy installation process through simple connector system.
- Material: Stainless steel V2A.
- High load class performance up to C250.
- Recommended solution for resin coated surfaces. Others equally possible.

- Designed for asphalt surface, others equally pos-
- Watertight connection system with 3M sealing tape. No welding. No screwing.
- Material: Polymer concrete
- Installation Quick and easy
- High load class performance up to C250.
- Robust type-I tested channel in three colour options (natural, grey, anthracite).



ACO Oil SeparatorsSurface water treatment for light liquids

When do light liquid separators have to be used?

The use of light liquid separators is stipulated by the regulations in DIN 1986-100, Section 6.2.3: "If petroleum or light oils, especially those that are combustible or can form explosive atmospheres, enter the sewers, separator systems for light oils must be used downstream of the discharge points." Discharging petroleum and light oils into public sewers can cause groundwater and drinking water contamination, and in serious cases, cause extensive environmental damage to flora and fauna. The solution to this problem is a light oil separator. Any light oil in the wastewater is collected in a separator tank and prevented from being discharged from the separator. The discharge outlet closes automatically when the maximum storage capacity has been reached. The light oil which collects in the separator is disposed of by certified recycling companies at regular intervals.

ACO Coalisator P

- for free standing installation accord ding to EN 858
- certificate 7310434-01 (NS 3-10) inlet and outlet connection according
- to outside diameter D depending on nominal size of separator
- inlet and outlet parts of polyethylene
- with integrated removable coalescing filter
- automatic closure device with float switch, density of float switch: 0.9 g/cm3



ACO Oleopator P

- for ground installed instaltion according to EN 858
- certificate 7310434-01 (NS 3-10)
- inlet and outlet connection according to outside diameter D depending on nominal size of separator
- inlet and outlet parts of polyethylene
- with integrated removable coalescing
- automatic closure device with float switch, density of float switch: 0.9 g/



Garden & Landscaping





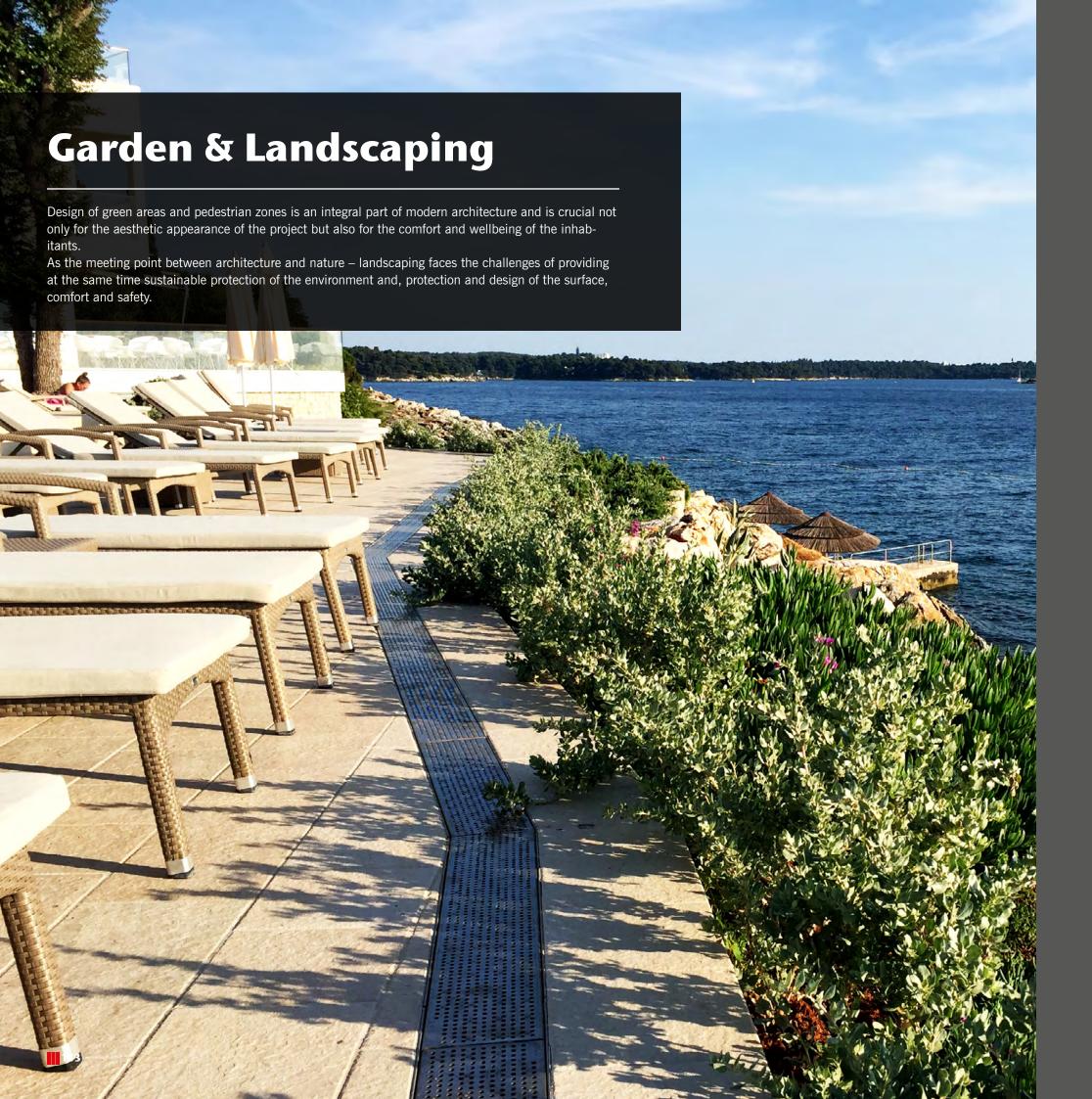














Surface sealing

Urban sprawl and the construction of paved areas mean Designing a garden, park or promenade is about Green areas represent an absolutely vital part of our less and less natural ground drainage. This can mean bigger balancing between creative and constructive challenges existence. Their integrating into construction projects the water flowing into sewers. A sustainable solution is to important to design a surface which is comfortable and safe landscaping systems are protecting natural environment ensure the large-scale seepage of rainwater back into the for pedestrians or an occurring traffic. On the other – it is and at the same time creating visually pleasing designs in ground. Modern regulations are counteracting the sealing of vital for the plants in the area to be provided with the right correspondence with architectural surfaces. surfaces by stipulating building restrictions and regulations environment and protected from damaging impact. limiting surface sealing.

Functional requirements

Aesthetics appearance





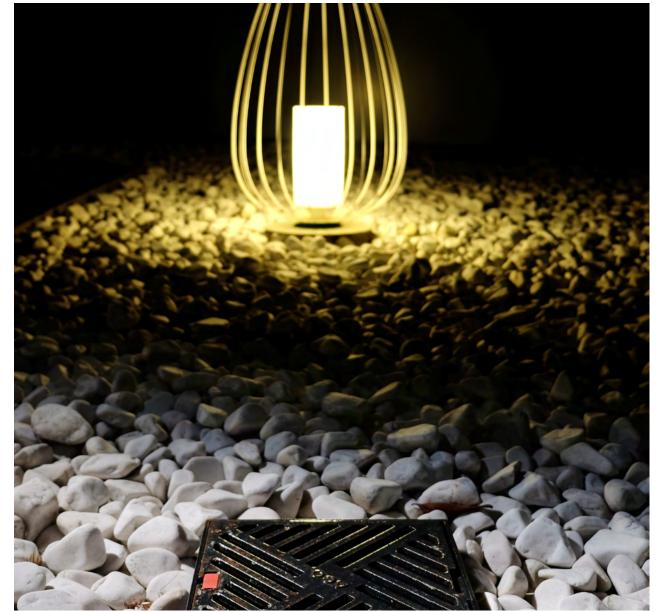


European norms and regulations

- **EN 1433** Drainage channels for vehicular and pedestrian areas
- **EN 124 -** Gully tops and manhole tops for vehicular and pedestrian areas
- **EN 752 -** Drain and sewer systems outside buildings







Solutions for the interface between architecture and nature



the surface and comfort for visitors.

our products have finish options that complement drivable and suitable for pedestrians. landscape.

allow planners to comply with modern regulations tection systems. and trends for sustainable design and preserving natural surfaces that allow water infiltration back to the ground.

ACO's range of garden and landscaping systems ACO's ground stabilization systems are ideal for help architects and landscape planners to create use in driveways and paths, where a natural grass an attractive and sustainable water management or decorative gravel finish are required to complesolution which provides optimal functionality of ment the landscape, whilst also reducing the risk of potholes, rutting or grass damage and at the Tailored to the demands of the specific projects same time provide solid and even surface which is

and enhance the aesthetic qualities of any pro- The ACO Stormbrixx infiltration systems provide perty. The modern and functional range provides even further advantages. It is an optimal solutions the most complete and stylish surface water ma- for projects where sewer system is missing or nagement offering for driveways, pedestrian and limited, providing options for retention or infiltralandscaped areas. The range has been manufaction of rain water. Its high void ratio reduces the tured to the highest quality standards, ensuring cost associated with traditional soak ways and enlong life and service within and around your hotel ables compliance with current building regulations concerning rainwater runoff and sealed surfaces. Besides a comprehensive range of drainage solu- The range is completed by high-quality access tions, the range includes a variety of products that and manhole covers, as well as cast iron tree pro-





ACO System solutions for garden & landscaping



ACO Grass&Gravel Grid



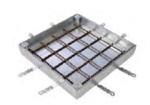
ACO Stormbrixx SD



ACO Tree Grills



ACO Manhole Covers



ACO Uniface covers ACO Gully





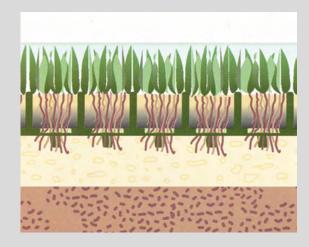
ACO Grass Grid- pro nature Ground stabilisations system

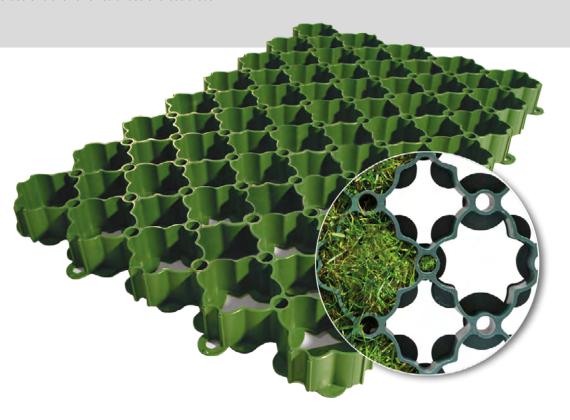
Product overview

Green areas are vital for environmental protection. The unnecessary sealing of areas exposed to minor traffic destroys valuable green space. ACO Grass Grid is made from plastic, and ensures free rainwater seepage in parking lots, yard driveways, terraces, walkways, storage spaces, emergency routes and river bank reinforcements.

These areas will remain green, yet are still load-bearing. Through the use of recycled materials, ACO promotes environmental protection. Surface drainage systems such as ACO Self® or ACO DRAIN® can be used when sealed surfaces are required to aid area drainage. ACO Grass Grid is lightweight for easy transport and handling, and simply snaps together for fast installation. While regionally varying, many building regulations specify a certain amount of "green" spaces. ACO Grass Grid allows vehicular use of these areas.

- Offers unimpeded flow to surface water
- Manufactured from 100% green recycled polyethylene.
- Product design ensures easy handling and installation
- Tiles interlock with clip-together fixings
- Coverage: 4.42 tiles per square metre
- Tiles can be easily cut to shape for irregular edging
- Strong, robust system certified to 250 tones per square









Product overview

that stones stay where they belong. They can no longer move left or right. This maintains a smooth surface with no ridges, troughs or holes. The ACO Gravel Stabilisation can be filled with high-grade chippings or ornamental gravel to create a flower beds, paths/paved surfaces and patios. customised surface.

Laying a water-permeable geotextile beneath the gravel stabilisation improves drainage of the surface. This saves having to pay municipal surface drainage fees for sealed surfaces, and prevents the formation of puddles.

Laying is very fast and easy because the honeycomb mats are laid loose next to one another. The ACO Gravel Stabilisation is perfect for municipal landscaping (e.g. in parks and

The honeycomb structure of the gravel stabilisation ensures cemeteries), on garden paths and patios, yards, car parking areas, driveways and access routes, as well as roofs. The bendable ACO Edging is the ideal accessary for gravel stabilisation to create permanent attractive edges to lawns,





ACO Stormbrixx SD

Modular infiltration system

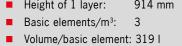
Product overview

ACO Stormbrixx is a modular infiltration system made from synthetic materials, which on the one hand provides storage of water from storm water and on the other hand is used to provide infiltration of the storm water. The basis of the system are the building blocks which are laid in bonded patterns using an intelligent snap lock system, and give the overall system its structural rigidity.

The modular ACO Stormbrixx infiltration system reduces transport costs and therefore more than halves CO2 consumption and the storage space required in storerooms and on the construction site compared to other systems.

Height of 1 layer: 914 mm ■ Basic elements/m³: 3

Storage coefficient: 97 % Min. cover depth: 0.8 m



Max. cover depth: 2.0 m Tested by MFPA Leipzig

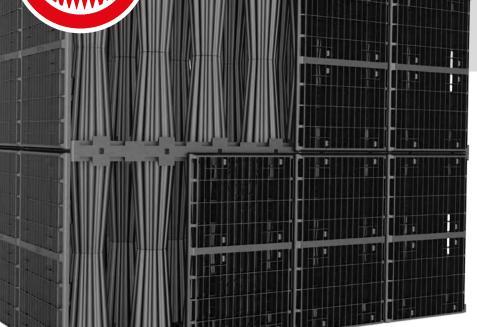




FEEL SAFE WITH US



Recyclable polypropylene material provides a robust and corrosion-resistant basis for a long-lasting infiltration system. The basic elements form a loadable structure.





Side panel perimeters for the entire system offer a sound base for laying the geotextile wrapper.



The pillars are also filled with storm water. Small openings at the base of the pillars optimise water treatment in the product.



Thanks to the open structure of ACO Stormbrixx, inspection cameras and cleaning devices can have free passage through the system.



Basic elements can be cut in half to allow integration into the overall system.



ACO Wotan & ACO Standart

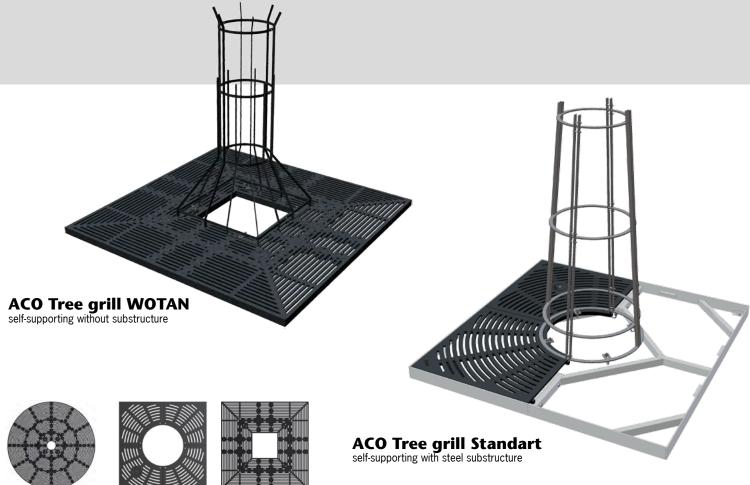
Tree protection grills

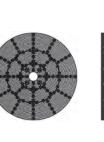
Product overview

123

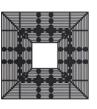
With the tree protection systems WOTAN and Standard ACO fulfills all technical requirements and offers optimal security in the living area of trees in urban areas. Healthy green and good looks: both objectives are optimally achieved with the ACO tree protection systems. The protection grates protect the roots from compression. An adequate oxygen supply as well as ventilation of the root area is fully ensured. Through different design variants or by the installation of ground lights in the tree guard the freedom of design has no limits.

- Different designs
- High variability in shape and size
- Sizes over 4.0 m possible
- Self-supporting without substructure
- Low construction height (6 cm)
- Inner diameter adaptable after the trunk circumference of the tree
- Load capacity up to 50 kN, SLW 30
- Openings for ACO light point possible
- Tree guards available











ACO Uniface cover Outdoor access covers

Product overview

ACO access covers are a range of high quality access covers which, whilst providing quick and easy access to underground services, enable decorative floor finishes to be maintained with minimal interference. ACO Access Covers are innovative and made of high quality materials. Our complete range of covers is fully certified according to European standards and meets all load, safety and functional requirements.

- Type tested and certified according to
- EN 1253-4.
- Tested with space for tiles 15 mm
- (competitors covers tested completely
- filled with concrete)
- Bolt locked child safety
- Corrosion resistant
- Small corner parts
- Secure installation good connection
- with concrete (profiled frame or anchors)
- Discreet product after installation
- Easy tool for opening and manipulation
- Water-tight and odour-tight

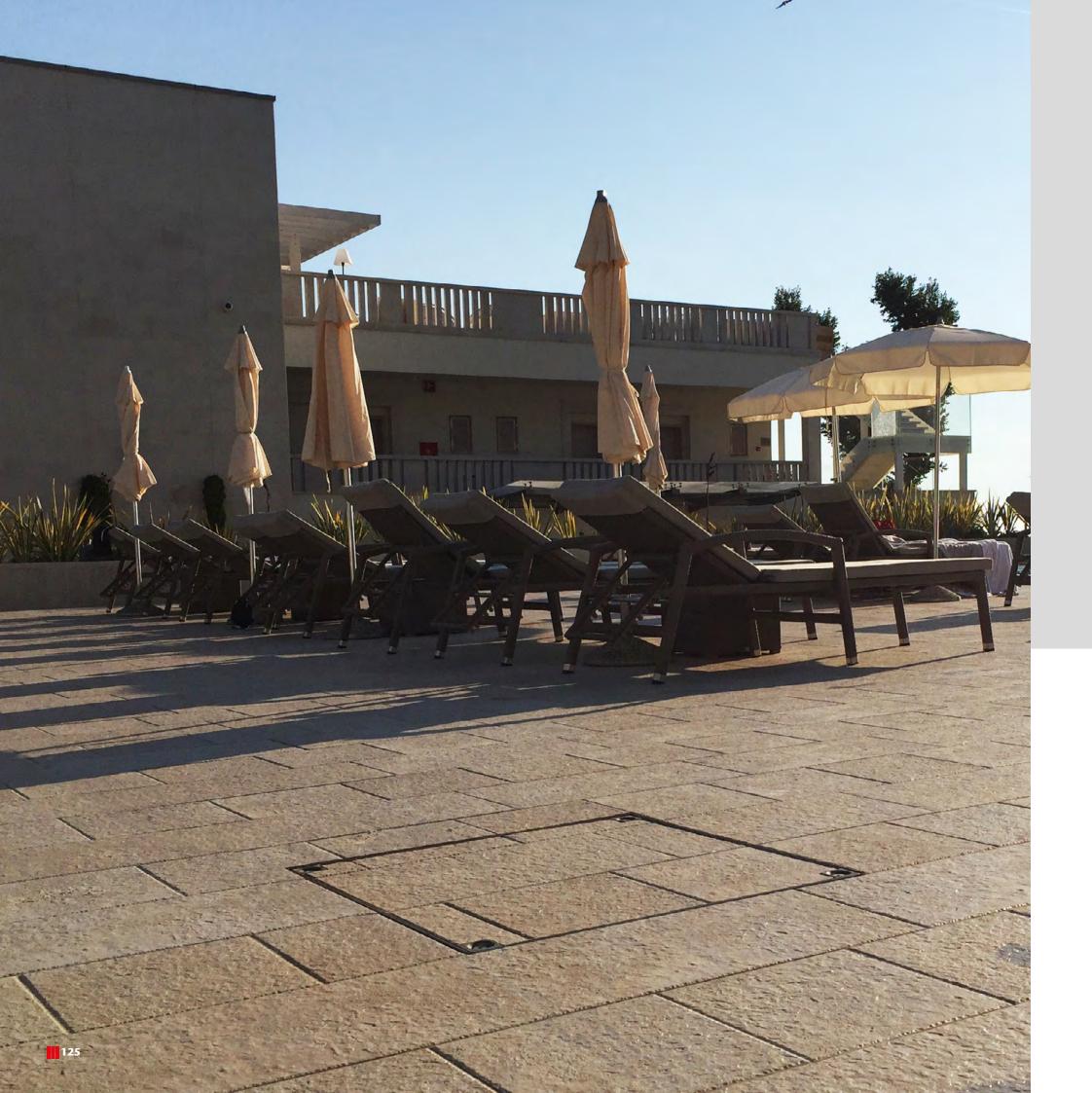
ACO Uniface Stainless Steel



ACO Uniface Alluminuim







ACO Multitop Manhole covers

Product overview

Special anti slip surface, regardless of the direction of traffic

The innovative ACO Multitop system is developed to comply with the modern challenges of drivable areas. The intelligent structure of the components allows the distribution of the dynamic load from the traffic, which guarantees that the cover remains at the same level as the road surface. The flat surface of the installation guarantees safety and comfort for vehicles and passengers.

- Durable and cost-effective solution, 10 year guaran-
- Flat surface safety and comfort for vehicles and
- Secret bolt locking against vandalism
- Soundproofing sealing in the frame
- Anti slip surface of the cover
- Inscription of a logo on the cover surface









ACO Gully Point drainage

Product overview

ACO Gully offers point drainage of external areas. The solid cast iron grating allows pedestrian and automotive traffic, as well as reliable locking. This system can be installed in a few steps and meets the highest requirements in terms of processing and design. The cover can only be opened with the aid of a tool and is ideal for use in public areas. A filter bag is available for connection to a pipe infiltration so the water is purified and led into the infiltration.

- Load class B 125 DIN EN 124
- Vandalism- and theft-proof due to the screwless locking Pointlock
- Extremely low component weight compared to conventional concrete products
- Optionally with cast iron grating (EN-GJS) or mesh grating (mesh size: 32 x 10) with integrated, screw-less Pointlock locking system
- With odor trap and bucket made of plastic



Gully made of polymer concrete with cast iron grating and frame (EN-GJS)



Gully made of polymer concrete with mesh gratingMaschenrost (galvanized steel MW 32x10 mm) cast iron frame

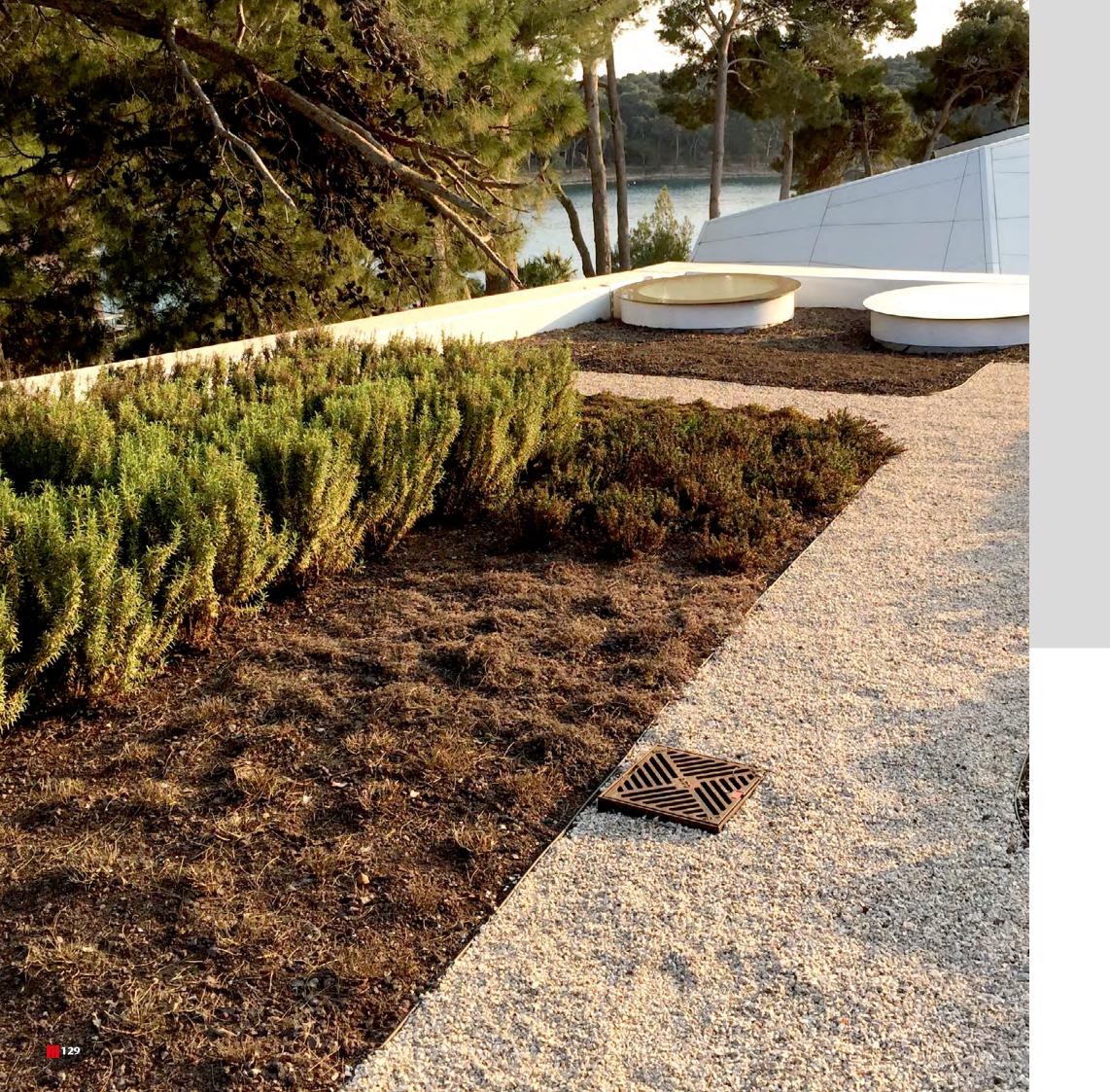


Top element made of polymer concrete for additional height adjustment, DN/OD 110 pipe outlet connection



Polymer concrete compensating element for adjusting the height of the surface covering





Experience worldwide

















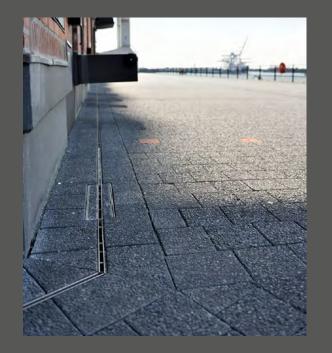
Westin Hotel Hamburg

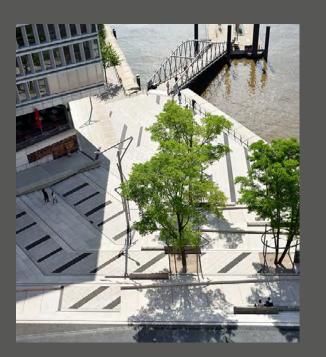
Location: Hamburg, Germany Architect: Herzog & de Meuron Year of construction: 2016

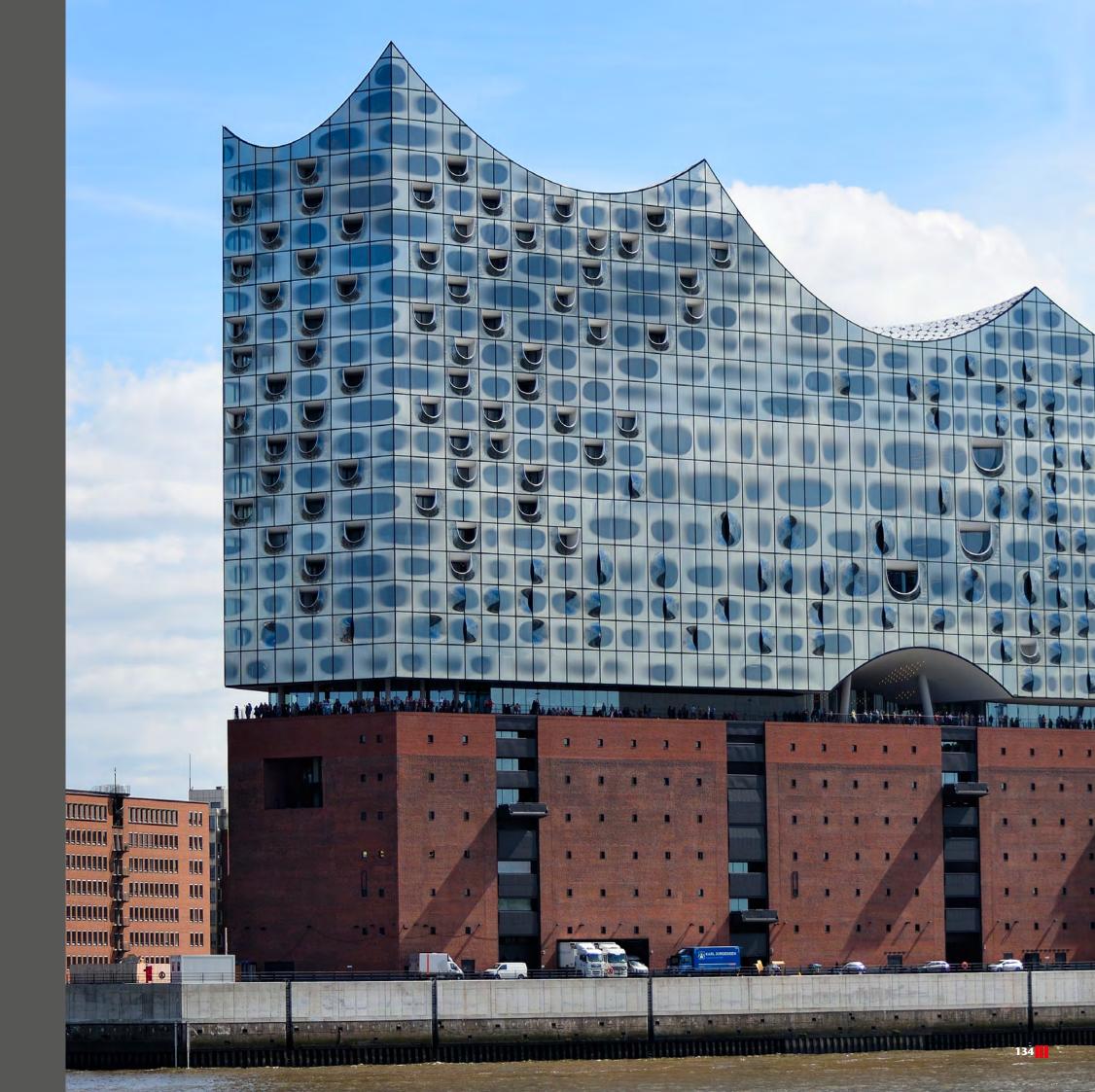
- ACO Products
 ACO SlotDrain
 ACO PowerDrain
- ACO SK

ACO Solution

The 5-star Westin hotel in Hamburg hosts 244 exclusive design rooms under the roof of the Elbphilharmonie - one of the most bold buildings in the city with impressive conteporaty architecture. ACO supported the project with complete solution for surface water management of the facade and landscaping around the building.









Intercontinental Ljublijana

Location: Ljublijana, Slovenia

Architect: OFIS ARHITEKTI d.o.o

Year of construction: 2017

- ACO Products

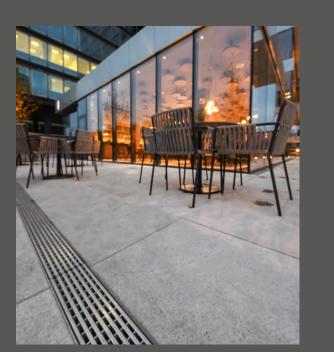
 ACO MultiDrain line drainage with design gratings
 ACO Monoblock monolithic drainage channels
 ACO Modular stainless steel channels
- ACO Passavant roof gullies made of cast iron
- ACO Easyflow gullies
- ACO Box channels stainless steel hygienic drainage
 ACO Hydrojet RAE free-standing grease separator
 ACO Muli-PRO-PE-K pump

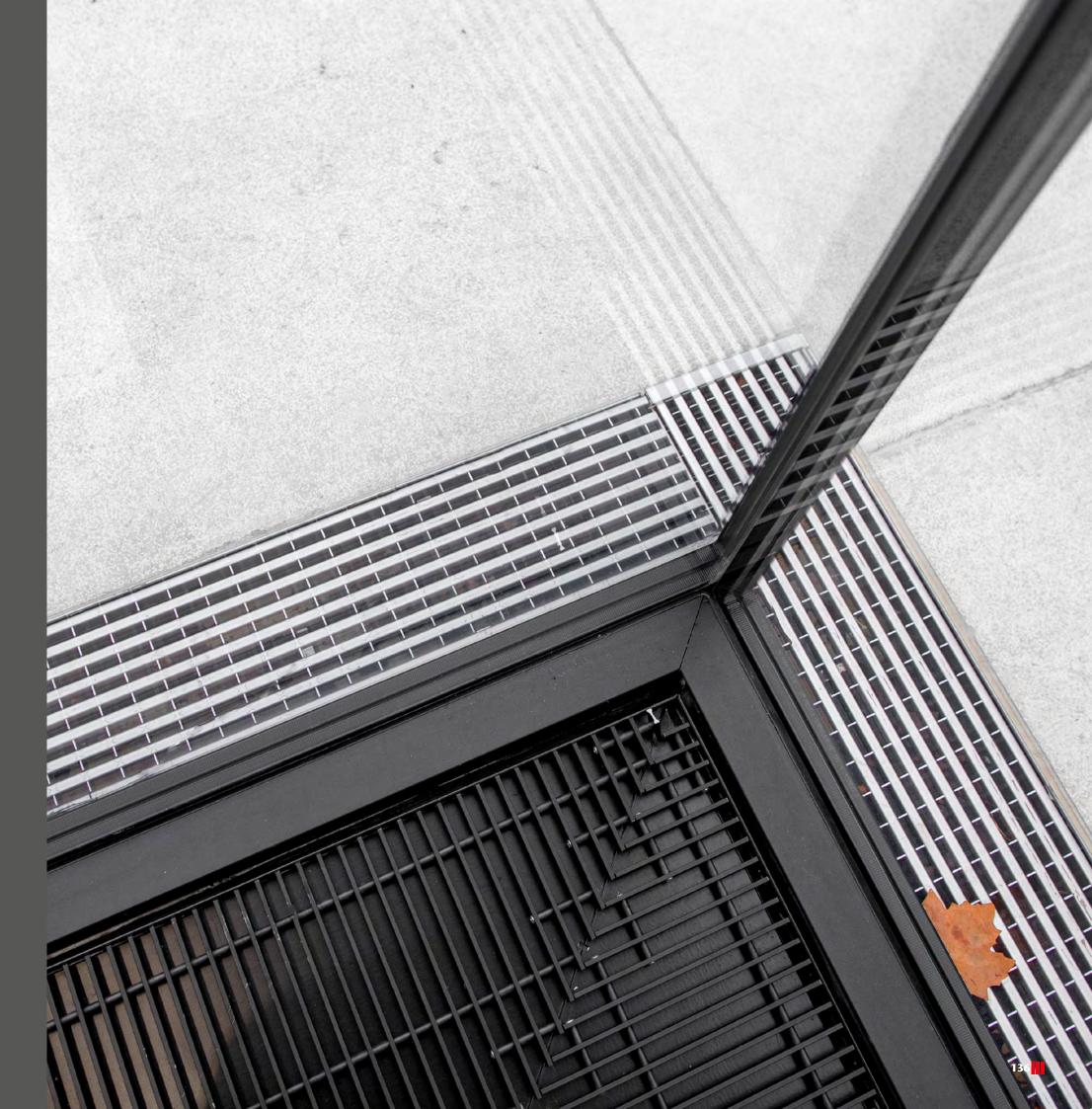
- ACO Lipumax P-DA grease separator

ACO Solution

Line drainage of the façade and the surrounding areas is executed with ACO MultiDrain. The Red Dot Design and IF award winning grating is made of stainless steel and contributes to the aesthetic appearance of the architecture. At the same time optimal drainage and comfort for pedestrians is provided.









Sense Design Hotel

Location: Bulgaria, Sofia

Architect: Architecture Group Tsonkov

Arch. Simeon Tsonkov

Investor: George Chopev, BLVD Ltd.

Year of construction: 2013

ACO Products

ACO ShowerDrain



Sense Design Hotel is located in the very heart of Sofia city, just a few steps from the parliament and the landmark cathedral. It was opened in 2013 when an existing classic residential building was redesigned into a contemporary hotel. The project required compliance with existing pipework of the building. ACO Design team supported the projects with individual measuring of every single shower area and delivering custom made channels. The architect's preference was using ACO ShowerDrain with integrated tile in the cover, in order to achieve visually uninterrupted surface.









Radisson Blu Old Mill Hotel

Location: Serbia, Belgrade

Architect: Graft Architects

Investor: Soravia

Year of construction: 2015

ACO Products

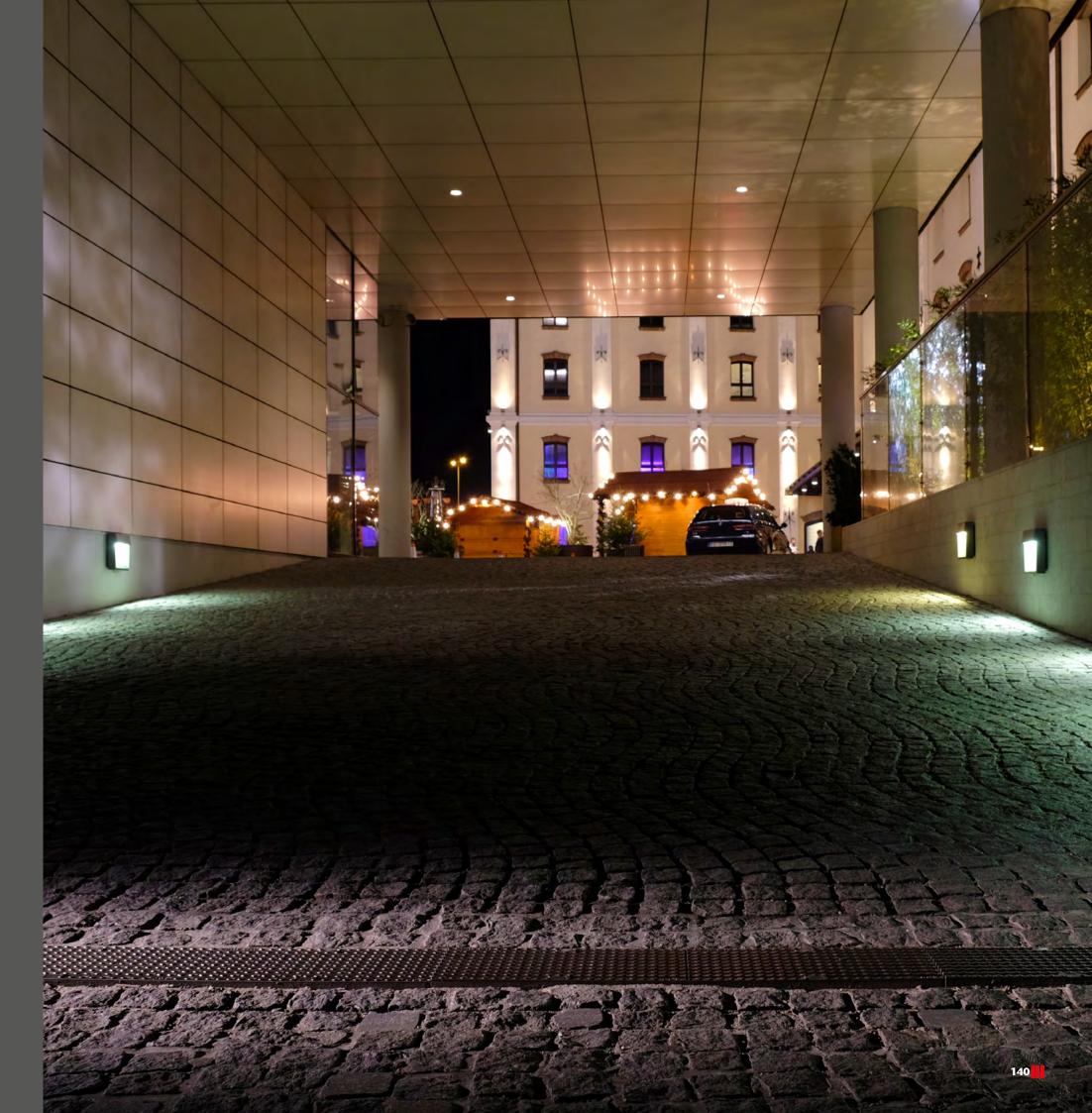
- ACO Profiline façade drainage
- ACO ShowerDrain
- ACO Stainless steel gullies
- ACO Stainless steel tray channels
- ACO Uniface access covers
- ACO MultiDrain line drainage
- ACO XtraDrain line drainage
- ACO cast iron gully

ACO Solution

An ambitious project of turning the historic "Old Mill" building into a 4 star hotel overlooking the Sava river and centre of Belgrade. Graft Architects have successfully combined the traditional architecture of the existing building, with new materials and modern interior concept, creating a unique experience. The façade with original bricks from the Old Mill was saved intact and merged amazingly well with the modern interior style. In such a concept, ACO products have found the wide use in all the aspects of water management: Bath, Kitchen, Façade, Piazza, Garage, Parking. In such a design, combination of functionality and aesthetics of products was highly required. High quality ACO products with their discreet design were chosen by the architects and proved their value during installation and maintenance.









Intercontinental

Location: Sofia, Bulgaria

Architect: arh. Hristo Kovachev

Year of reconstruction: 2017

- ACO Products
 ACO ShowerDrain line drainage for bathrooms
- ACO MultiDrain line drainage

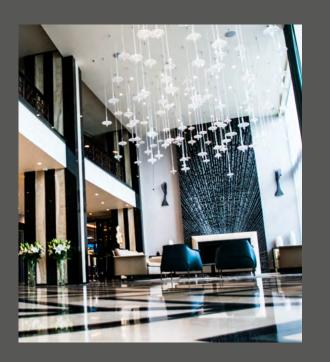


The iconic hotel facing the parliament building in Sofia, Bulgaria was recently acquired by the Intercontinental chain of hotels. Overlooking Narodno Sabranie Square and offering stunning views of Alexandar Nevski Cathedral, InterContinental Sofia is the capital's

ultimate luxury hotel.

During the renovation of the hotel, ACO supplied high quality line drainage system for the bathrooms. Each solution was chosen in compliance with the design of the bathrooms and the specific needs for installation.









Hotel Eurostar

Location: Madrid, Spain

Architect: R&AS, Carlos Rubio & Enrique Álvarez-Sala

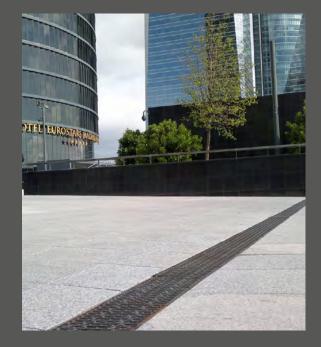
Year of construction: 2008

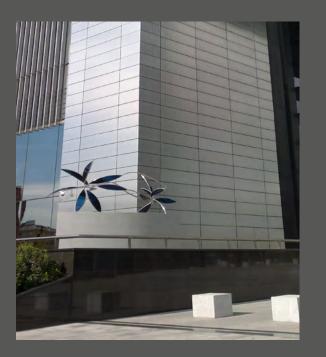
ACO Products

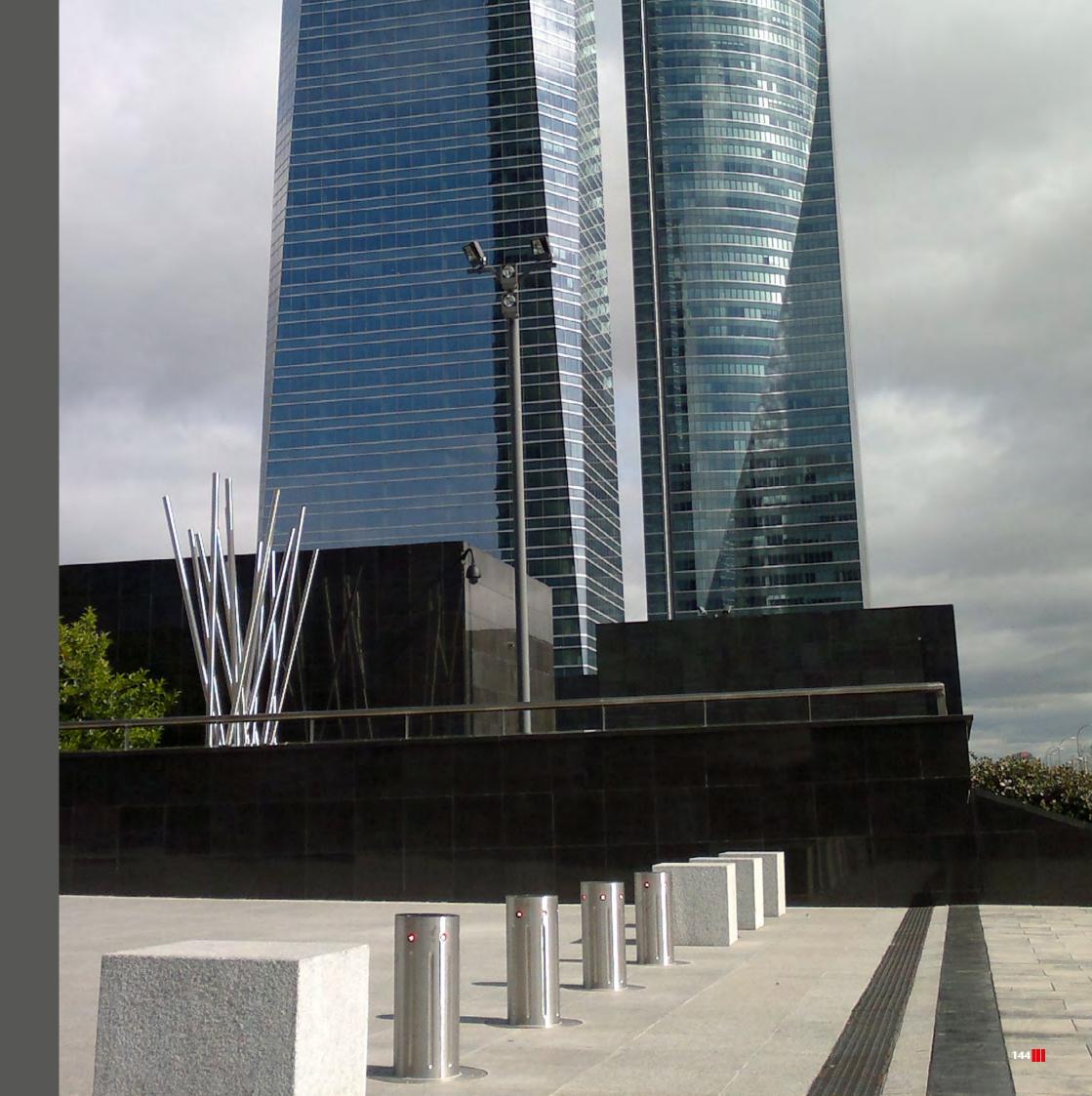
ACO MultiDrain



The Eurostars Madrid Tower - an acclaimed, prestigious hotel created for clients who love exclusivity. The height makes us unique: the Eurostars Madrid Tower occupies the first 31 floors of the imposing 236-metre-tall SyV Tower. The SyV Tower was designed by the prestigious architecture studio R&AS run by Carlos Rubio and Enrique Álvarez-Sala and is part of the latest architectural, urban planning and business symbol of Madrid, the Cuatro Torres Business Area. The area around the skyscraper is drained with ACO MultiDrain with cast iron grating.









Falkensteiner Hotel

Location: Serbia, Belgrade

Architect: Atelier Podrecca (Boris Podrecca)

Investor: Alba Invest

Year of construction: 2013

ACO Products

- ACO BrickSlot façade drainage
- ACO Hydrojet OA NG 10 grease separator
 ACO Muli-Star DDP lifting station
- ACO ECO Mobil grease separator
- ACO MultiDrain line drainage
- ACO Coalisator GG oil separator
- ACO cast iron gully

ACO Solution

Modern 4 star hotel, placed in the business centre of Belgrade, designed by an international star architect Boris Podrecca. Wide application of ACO products has helped the functionality of the hotel, especially with grease separation from the kitchen, where ACO fought to prove the importance of fully automated separators in such applications. The aesthetics feature which was important for the architect, was brought by ACO BrickSlot channels to drain the façade and Multiline channels in the surrounding areas.









Meydan Hotel and Racecourse

Location: United Arab Emirates, Dubai

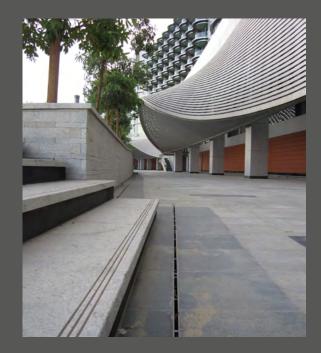
Architect: Teoh A Khing Year of construction: 2013

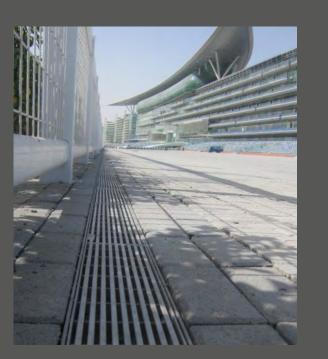
- ACO Products

 ACO Shower Drain
- ACO Box channels with mesh gratings
 ACO Modular channels with mesh gratings
 ACO Access covers
- ACO MultiDrain
- ACO SlotDrain



The 7.5 million sq. m Meydan Racecourse includes Meydan Marina, The Meydan the world's first 5-star trackside hotel with 285 rooms, 2 race tracks and the Grandstand, which comprises a hotel, restaurants, a racing museum and 72 corporate suites. ACO supported the project with drainage solutions for the landscaping area. High quality hygienic channels were istalled in the kitchens.









Agaoglu Maslak Aparthotel

Location: Istanbul, Turkey

Architect: Agaoglu Maslak 1453 Design Team

Year of construction: 2017

- ACO Products

 ACO SlotDrain

 ACO MultiDrain

 ACO Stainless steel gullies

 ACO Spin roof gullies
- ACO Access covers
- ACO KerbDrain



The project Agaoglu Maslak 1453 in Istanbul includes residential area, landcaping and aparthotel. ACO Design team supports the project with hydraulic calculations and product selection. Various types of line drainage systems are installed, depending on the specific requirements of each area - including channels with gratings, slot channels and kerbs with integrated drainage.









Marriott Hotel

Location: Skopje, Macedonia Arichtect: Develop Group Year of construction: 2013

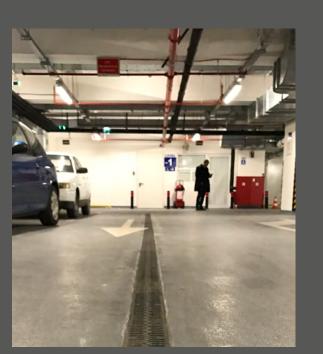
- ACO Products:

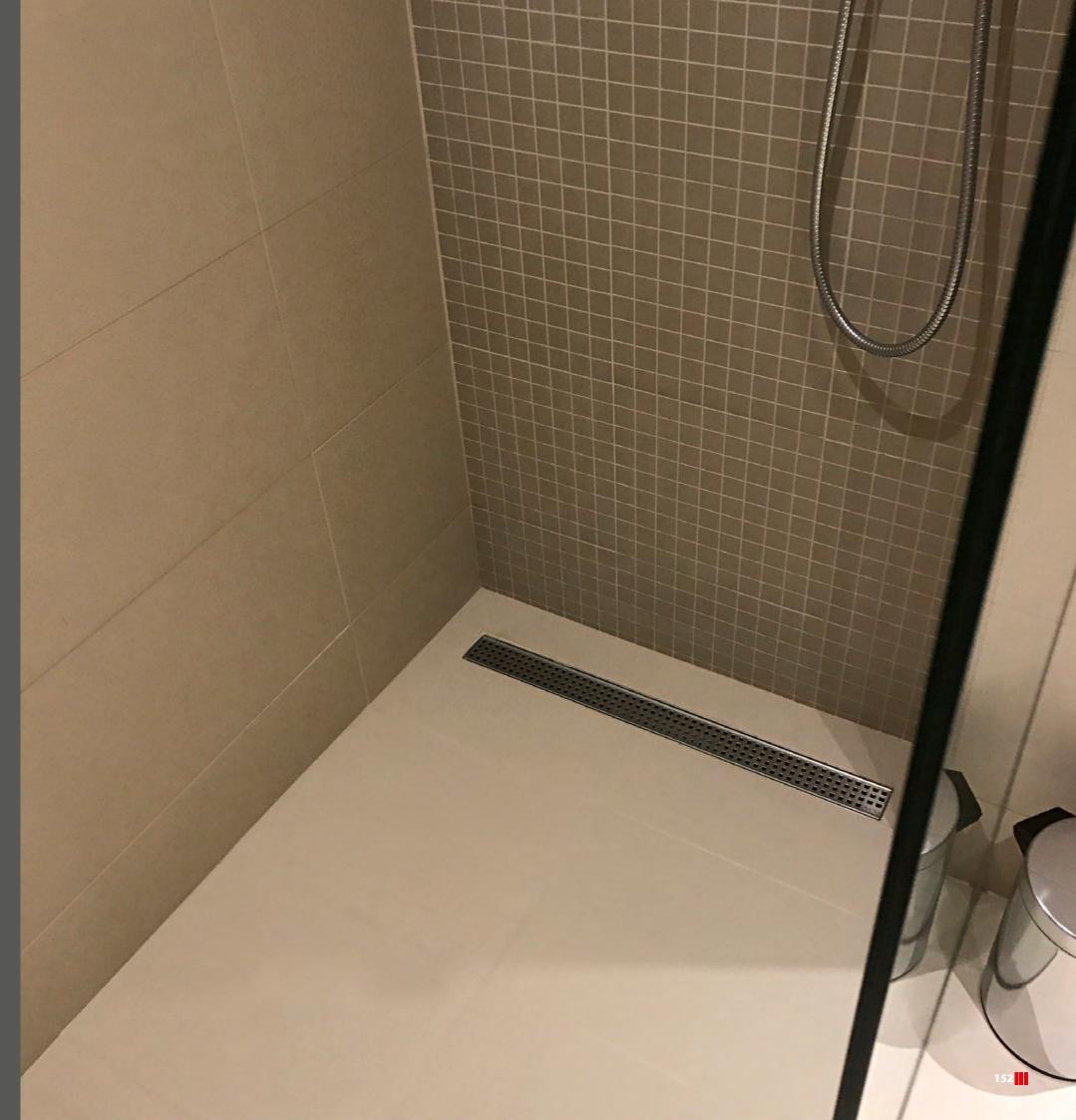
 ACO ShowerDrain ■ ACO ExtraDrain
- ACO Lipumax
- ACO Euroline Supermini
- ACO Spin roof drainage

ACO Solution

Marriott hotel in Skopje offers stylish accommodation, friendly service and convenient city centre location. The sophisticated rooms and suits feature scenic views to Macedonia square. ACO supported the reconstruction of the hotel with solutions for external drainage of pedestrian areas around the building, cast iron rood gullies, grease separation system for the kitchen and design line drainage for the shower areas in the bathrooms of the hotel.









DC Tower Hotel Melia

Location: Vienna, Austria

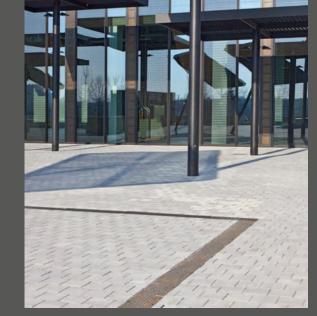
Architect: Dominique Perrault und

Hoffmann-Janz Architekten

Year of construction: 2013

ACO Products

■ ACO Profiline - bespoke stainless steel channels



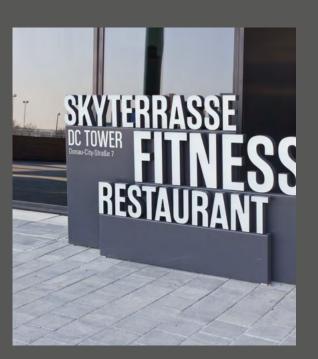
ACO Solution

Since 2013, the DC Tower 1 has impressively shaped the cityscape of Vienna. The 250-meter-high tower by the French star architect Dominique Perrault is currently the tallest building in Austria.

To meet the demands of the architecture, ACO Profiline channels made of the highest quality V4A stainless steel were manufactured to fit the individual demand of this outstanding project. All channels were dimensioned according to the expected amount of water to protect the building structure and drain the stormwater.

As a sophisticated detail, the facade raises above the skyterrace as a windbreak. As a result, the facade needs drainage on the outer and in addition on the inner side. All channels (more than 600m in total) were produced individually, as the needed to fit around the pillars of the irregular facade construction.

On the ground floor very wide and deep channels run along the facade around the entire building. Another major challenge was to generate a persistent appearance of the longitudinal stainless steel gratings overcoming widths of partly more than 70cm.







Novotel Sofia Hotel

Location: Sofia, Bulgaria

Architect: Markan Project

Year of construction: 2009

- ACO Products
 ACO MultiDrain line drainage
- ACO Cast iron gullies



This new 4-star business hotel provides latest generation rooms and meeting rooms with state-of-the-art equipment in Sofia's main business district. The close location of the airport and the and views of the city or Vitosha Mountain, it is a pleasure to do business

ACO was involved in the constuction of the hotel for delivering high quality drainage systems for the underground parking.









Regent Porto Montenegro

Location: Tivat, Montenegro

Architect: ReardonSmith Arcitects, London

Investor: Adriatic Marinas

Year of construction: 2014

ACO Products

- ACO Self Euromini with Heelsafe stainless steel grating
- ACO Hexaline Slot
- ACO Cast iron gullies
- ACO Showerdrain E custom made
- ACO HydroJet OA
- ACO MultiDrain
- ACO Combipoint gullies
- ACO BrickSlot
- ACO Access covers

ACO Solution

Regent Porto Montenegro is a luxury 5 star hotel, situated in the Boka Kotorska bay of the Adriatic Cost in Montenegro.

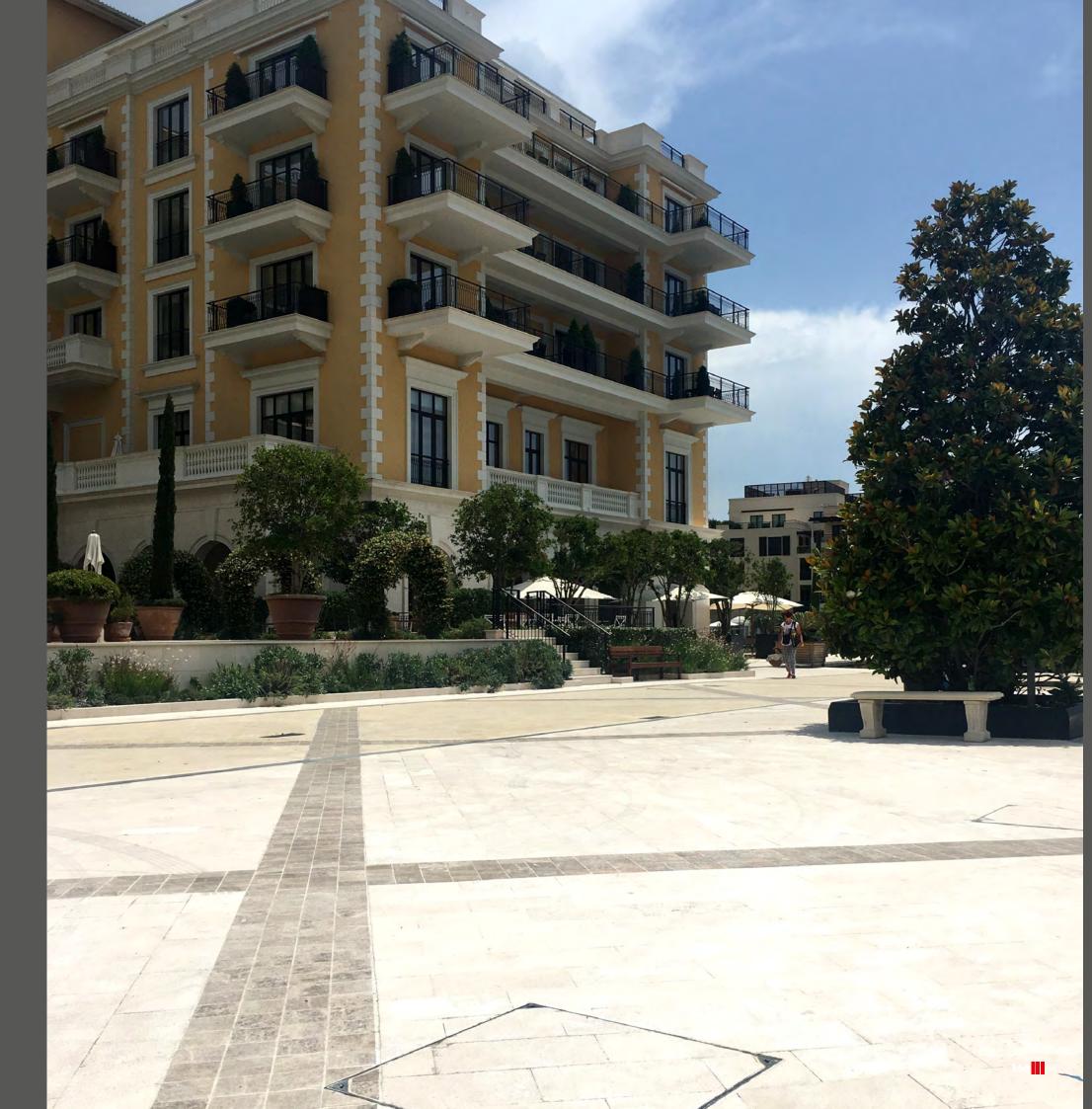
This glamorous retreat was designed by London-based ReardonSmith architects, inspired by the Venetian-style palazzi that dominate the Adriatic coast.

Parisian designer Tino Zervudachi created the graceful interiors which blend perfectly with the arched colonnade and ample terraces of the exterior.

ACO provided complete drainage solutions for the external area, garage, entrances, terrace and balcony as well as custom made ShowerDrain which blended nicely with the exclusive stone design of the bathroom area. Functionality of the kitchen is enhanced by the ACO HydroJet grease separators. Descrete design of numerous ACO TopTek access covers ensured the unique surface design.









Raffles Hotel

Location: Istanbul, Tureky

Architect: Emre Arolat Architects

Year of construction: 2013

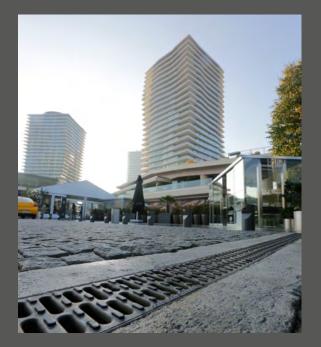
- ACO Products

 ACO SlotDrain

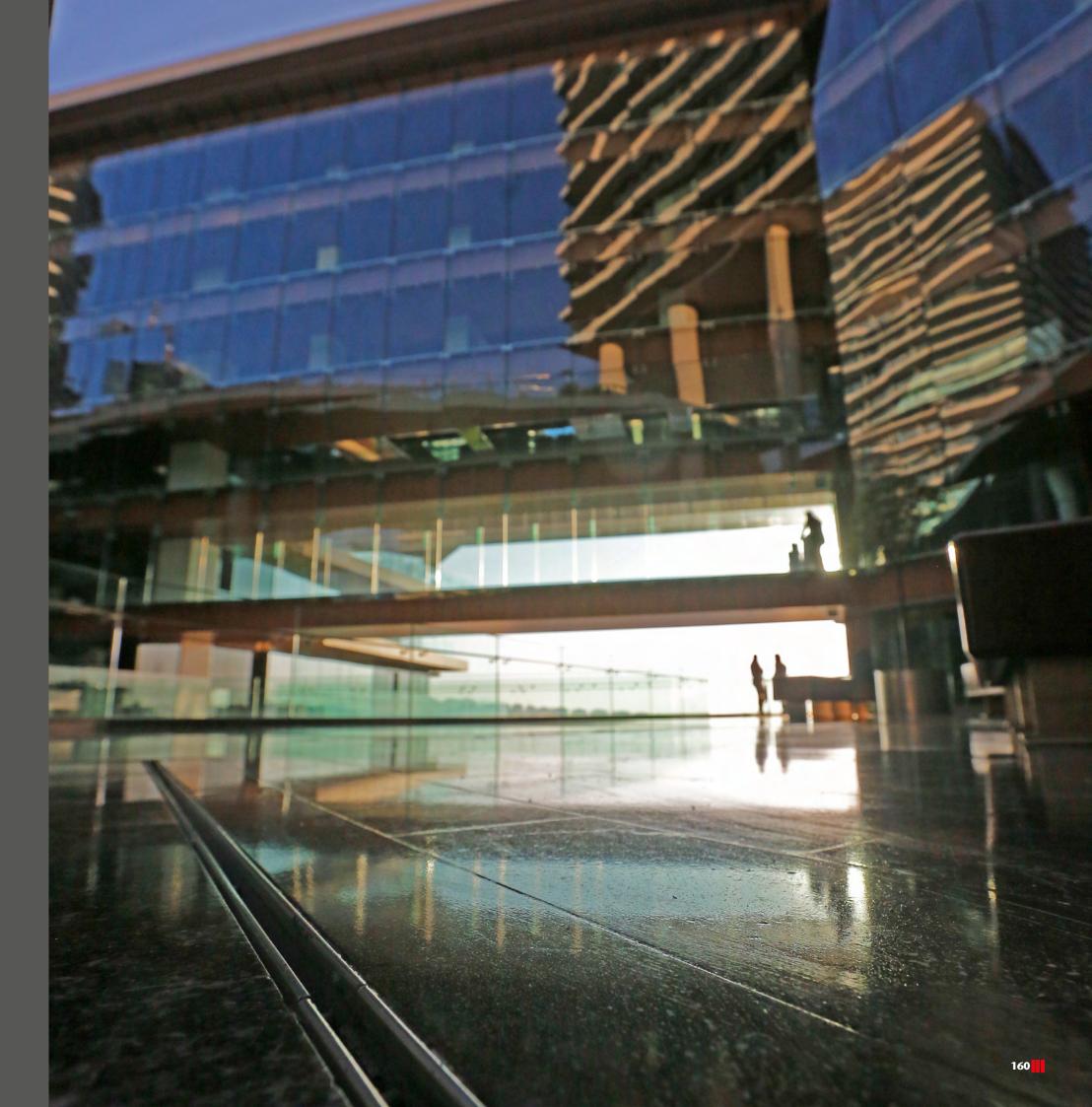
 ACO MultiDrain
- ACO Hygienic Box channelsACO Easyflow
- ACO ShowerDrain



Raffles hotel is located in Zorlu Center - multiple-use complex on the European side of Istanbul. The center is a four-tower, five-function structure group, including a public square, residential development and office space. On the main pedestrian areas it has been used brickslot design gratings. On the kitchen areas stainless steel box channels has been preferred to provide the highest standards.









Sheraton Hotel Balkan

Location: Sofia, Bulgaria

Architect: BATES

Year of reconstruction: 2017

- ACO Products

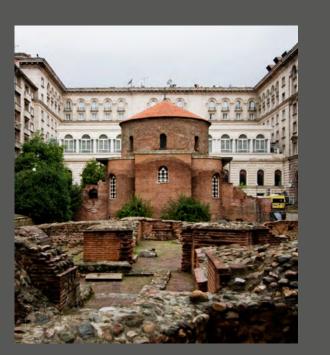
 ACO ShowerDrain
- ACO Bath gullies



Sheraton Hotel Balkan was built in 1956 as part of a new architectural trend: a fusion of classical design and lavish décor, redefining the concept of space. The iconic building of Sofia Hotel Balkan is part of the President's Palace complex and beneath its foundations lies a historical Roman fortress, the remains of which can be seen all around the hotel.

As part of the reconstruction of the hotel in 2017 ACO delivers high quality drainage systems for the bathrooms in the hotel.









HolidayInn

Location: Plovdiv, Bulgaria

Architect: RT Consult

Year of construction: 2015

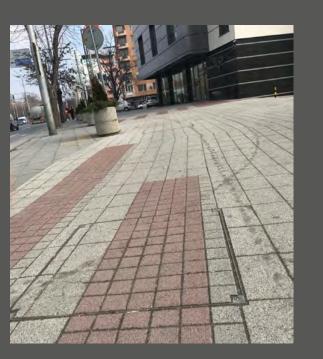
- ACO Products

 ACO ShowerDrain design bath drainage
 ACO Uniface covers access covers
 ACO Mats shoescrapers
 ACO Monoblock PD monolithic line drainage



Holidaylnn is a newly built hotel in the heart of Plovdiv, offering stylish businness accomodation and close location to the old town and the anceint ruins of the ciry. ACO was involved in the project for providing solutions for the bathrooms, spa area, as well as the complete surface water management around the hotel.









Crowne Plaza Hotel

Location: Serbia, Belgrade

Architect: Virgile and Stone, London

Investor: Delta Holding

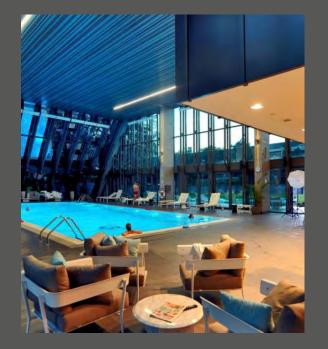
Year of construction: 2013

ACO Products

- ACO stainless steel roof gullies
- ACO cast iron roof gulliesACO ShowerDrain bath drainage
- ACO Lipurat OAE NG 7 grease separator
- ACO Stainless Steel Tray Channels
- ACO Stainless steel gully
- ACO Wal-Selecta cast iron gullies
- ACO EG 150 gully

ACO Solution

Located in the New Belgrade business town centre, a 4 star hotel Crowne Plaza with 387 rooms and 29 suites, 14 conference rooms and various restaurants and bars, is the city's largest hotel. Completely renovated, previously owned by the Intercontinental Chain, this hotel has a rich history of famous guests residing in presidential suites. ACO was proud to become part of such tradition and offer reliable products and solutions for various applications, like bathrooms, spa, kitchen and roof. ACO Showerdrain E channels were installed in 350 rooms and contributed to their functionality and design. Kitchen drainage and grease separation solutions provided by ACO, largely enhanced the safety and functionality of the food and kitchen operations.









Conrad

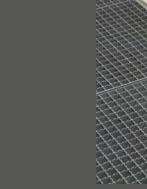
Location: Dubai

Architect: Arkins

Year of construction: 2013

- ACO Products

 ACO ShowerDrain
 ACO MultiDrain
- ACO Box channels
- ACO Stainless steel gullies



ACO Solution

Located along Sheikh Zayed Road in Dubai, Conrad Dubai is a prestigious mixed use project comprising a luxurious Conrad and premium office space. This 250 M tall landmark tower occupies second to the fourth floor with Grand Ballroom and Ballroom, sixth floor and Mezzanine for Conrad Spa, fine dining restaurants, leisure and meeting facilities, and 24th floor is the Executive Lounge. ACO supports the design and construction of the hotel with solutions for surface water management, as well we internal drainage solutions for the kitchen and the bathrooms.









Lone Hotel

Location: Rovinj, Croatia

Architect: Studio 3LHD

Year of construction: 2011

ACO Products

- ACO SlotDrain slot line drainage
- ACO MultiDrain line drainage with design gratings
 ACO Stainless steel channels
- ACO ShowerDrain
- ACO Uniface access covers
- ACO Spin roof gullies
- ACO Multitop manhole covers
- ACO OLEOPATOR C oil separator
- ACO HYDROJET OAE grease separator
- ACO MULI PE duo AIR pump

ACO Solution

The first design hotel in Croatia is created by Studio 3LHD from Zagreb. They engage young Croatian designers for the interior design and equipment of the hotel. The cooperation results in the overall visual identity of the hotel with special focus on design features and elements. ACO Design Team supports the planning process with solutions for different areas in the hotel – both interior and landscaping. The ACO SlotDrain line drainage solution is preferred for the outside area because of its discreet opening which does not disturb the surface. The ACO ShowerDrain bath drainage attracted the designers with its aesthetic look and functional features.









Aquahouse Thermal & Beach

Location: St. St. Constantine & Elena, Bulgaria Architect: STARH, Svetoslav Stanislavov Investor: St.St. Constantine & Elena Holding Year of construction: 2018

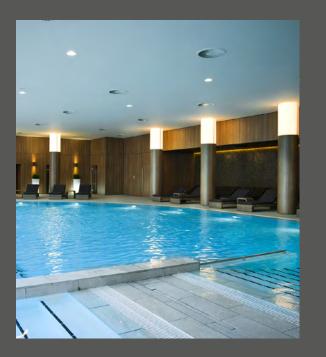
ACO Products
ShowerDrain E+
ShowerDrain C

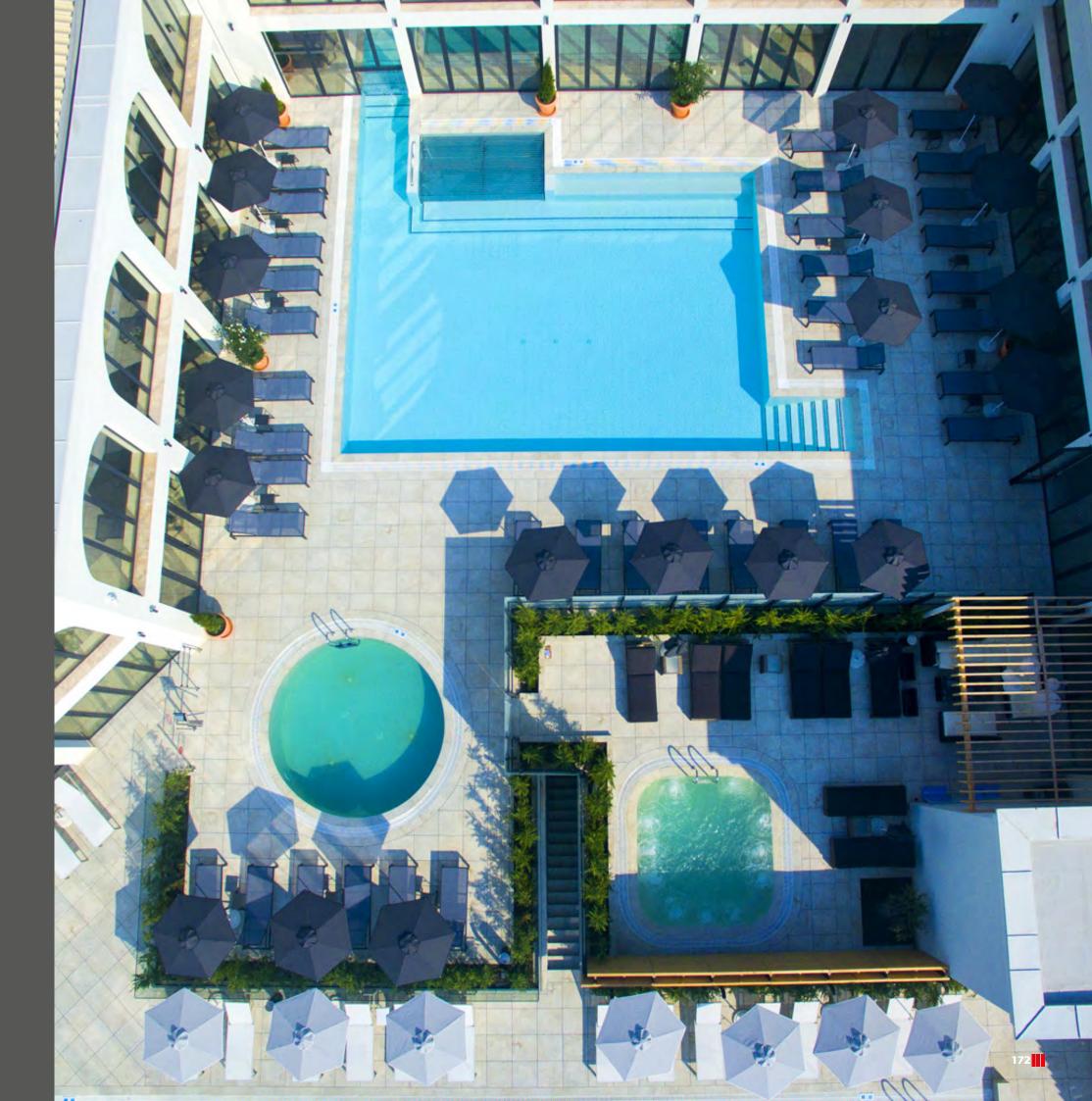
ACO Solution

Aquahouse Thermal & Spa offers 4 season spa experience by the seaside thanks to the unique combination of sea and thermal water. The complex features 14 pools with different possibilities for treatments and activities.

ACO supported the project with design solutions for drainage of bathrooms and Spa areas, as well as landscaping solutions.









Hotel D-Resort Šibenik

Location: Croatia, Šibenik – Mandalina peninsula

Architect: Nikola Bašić (exterior), Marko Murtić (interior)

Investor: Dogus Holding

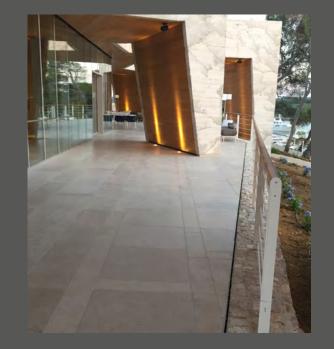
Year of construction: 2015

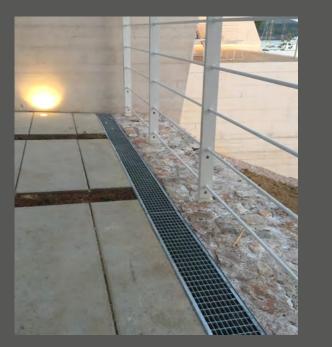
ACO Products

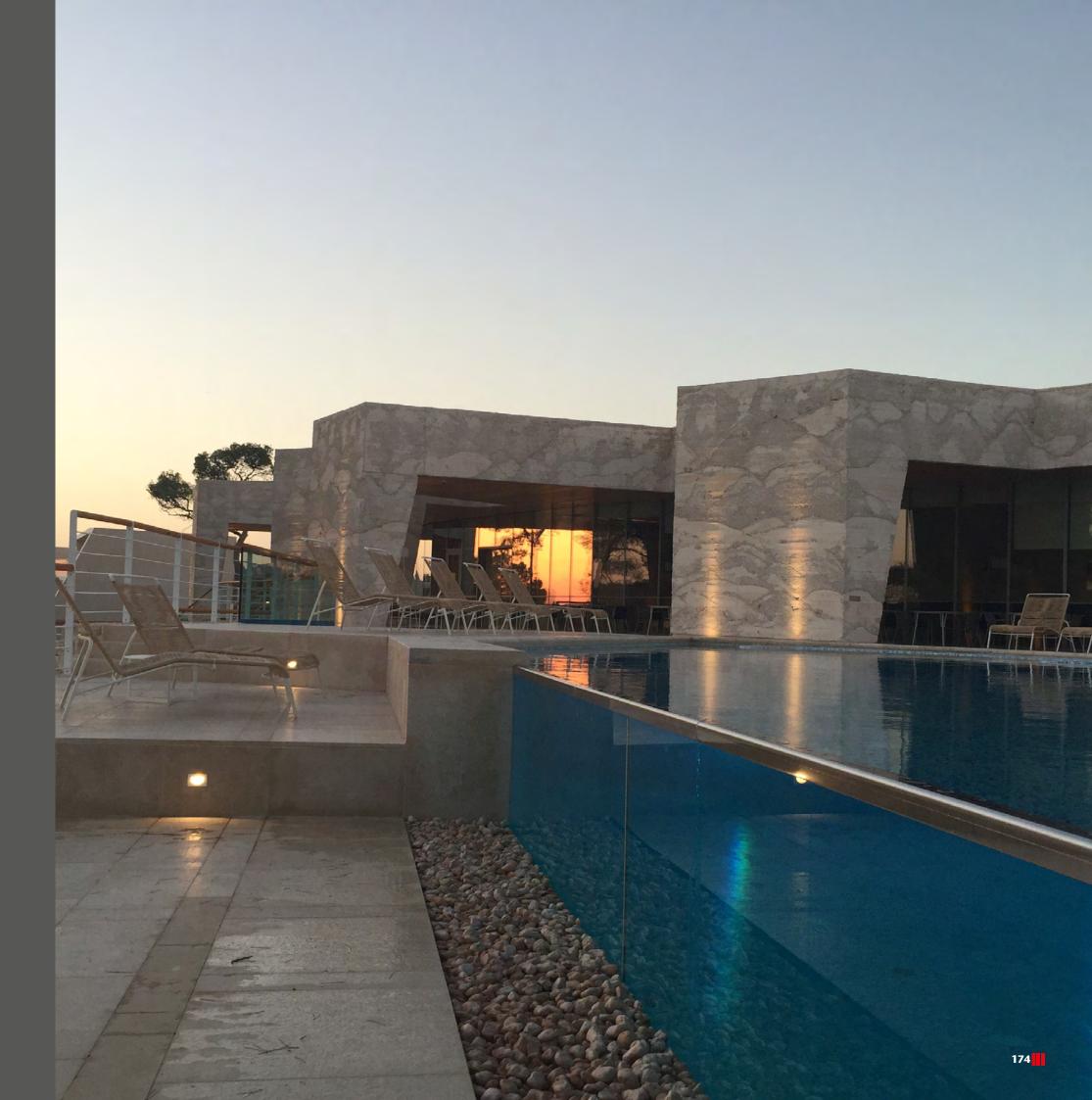
- ACO Lipumax- C grease separator
- ACO MutliDrain line drainage
 ACO SlotDrain slot drainage
- Oleopator- C oil separator
- ACO Board grass grid
- ACO Uniface access covers

ACO Solution

Located in D-Marin Mandalina, the award-winning marina for mega yachts, D-Resort Šibenik is a spectacular design hotel. Thanks to its excellent position, it offers everything you would expect from a vacation by the sea, and the beauty of Šibenik is within easy reach. ACO is present on its project with its wastewater treatment solutions and surface drainage.









Hotel Monte Mulini

Location: Croatia, Rovinj

Architect: Wimberly Allison Tong & Goo

Investor: Maistra d.d.

Year of construction: 2007/8

ACO Products

- ACO ShowerDrain bath drainage

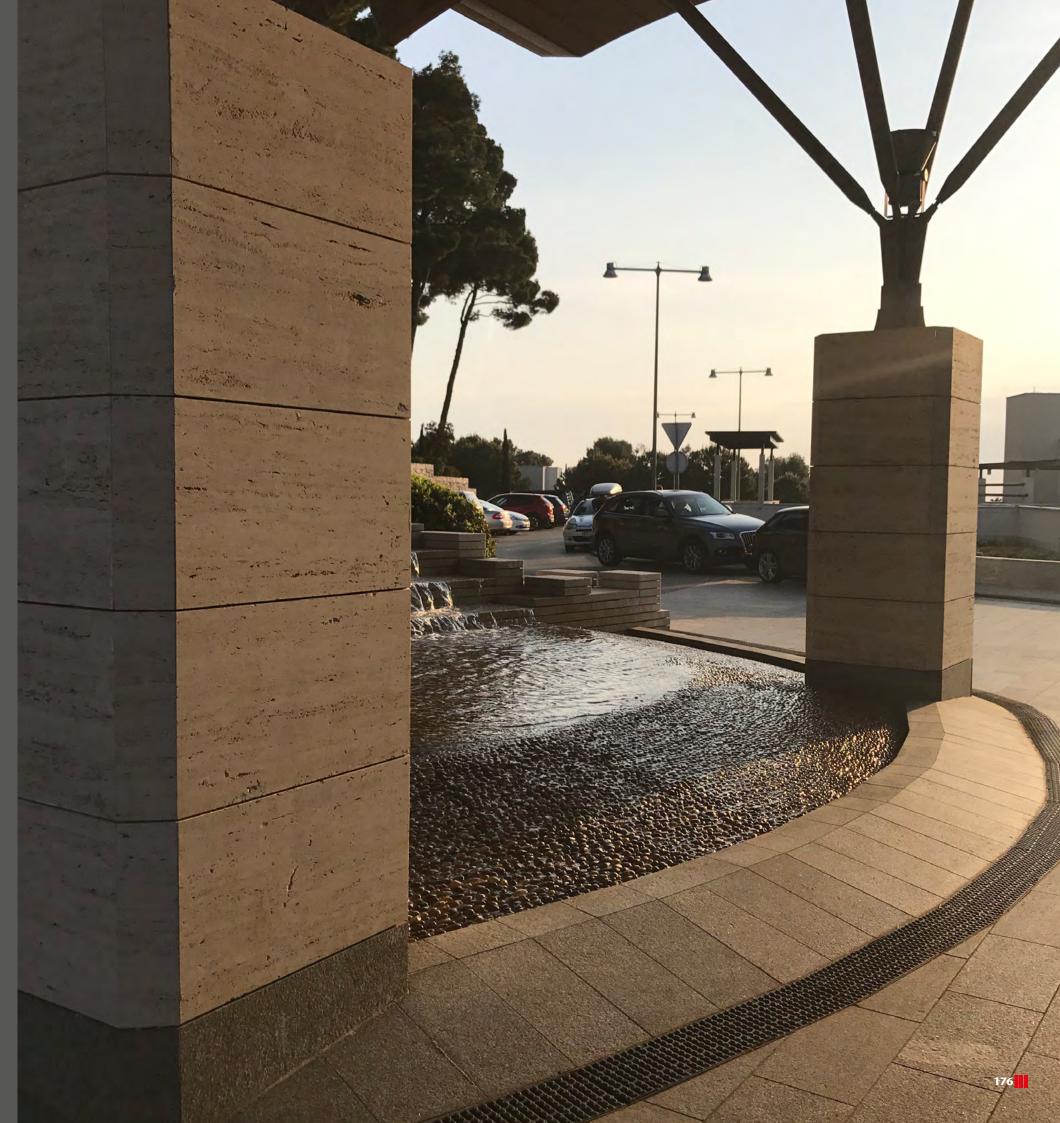
- ACO Hydrojet grease separator
 ACO MultiDrain with cast iron grating line drainage
 ACO MultiDrain with stainless steel grating line drainage
- ACO Board grass grid

ACO Solution

Hotel Monte Mulini is exclusive 5 star boutique hotel opened in March 2009. The architecture and design of the hotel, which in spite of modernity fits in with nature, is signed by the WATG - Wimberly Allison Tong & Goo architectural studio. The hotel is part of a protected park called Zlatni rt, right by the sea on the southern shore of Monte Mulini Hill, a few minutes' walk along the coast from the center of Rovinj. ACOs share in creating this luxury hotel was providing top drainage solutions on driveway and reception area in front of the hotel with Multiline channels with Guss gratings, ACO Multiline channels with stainless steel gratings and Areal grass grids on lawn sufaces around the pool, all rooms and suites have ACO ShowerDrain channels in their bathrooms, and kitchen is equipped with ACO Hydrojet grease separator.









Valamar Isabella Island Resort

Location: Croatia, Poreč (St. Nikola Island)

Architect: Mirna Malnar d.i.arh. (Anton d.o.o.)

Investor: Valamar Riviera d.d. Poreč

Year of construction: 2015

ACO Products

- ACO MultiDrain line drainage
- ACO SK line drainage
- ACO Euroline Brickslot slot drainage
 ACO Uniface access covers
- ACO Uniface access covers

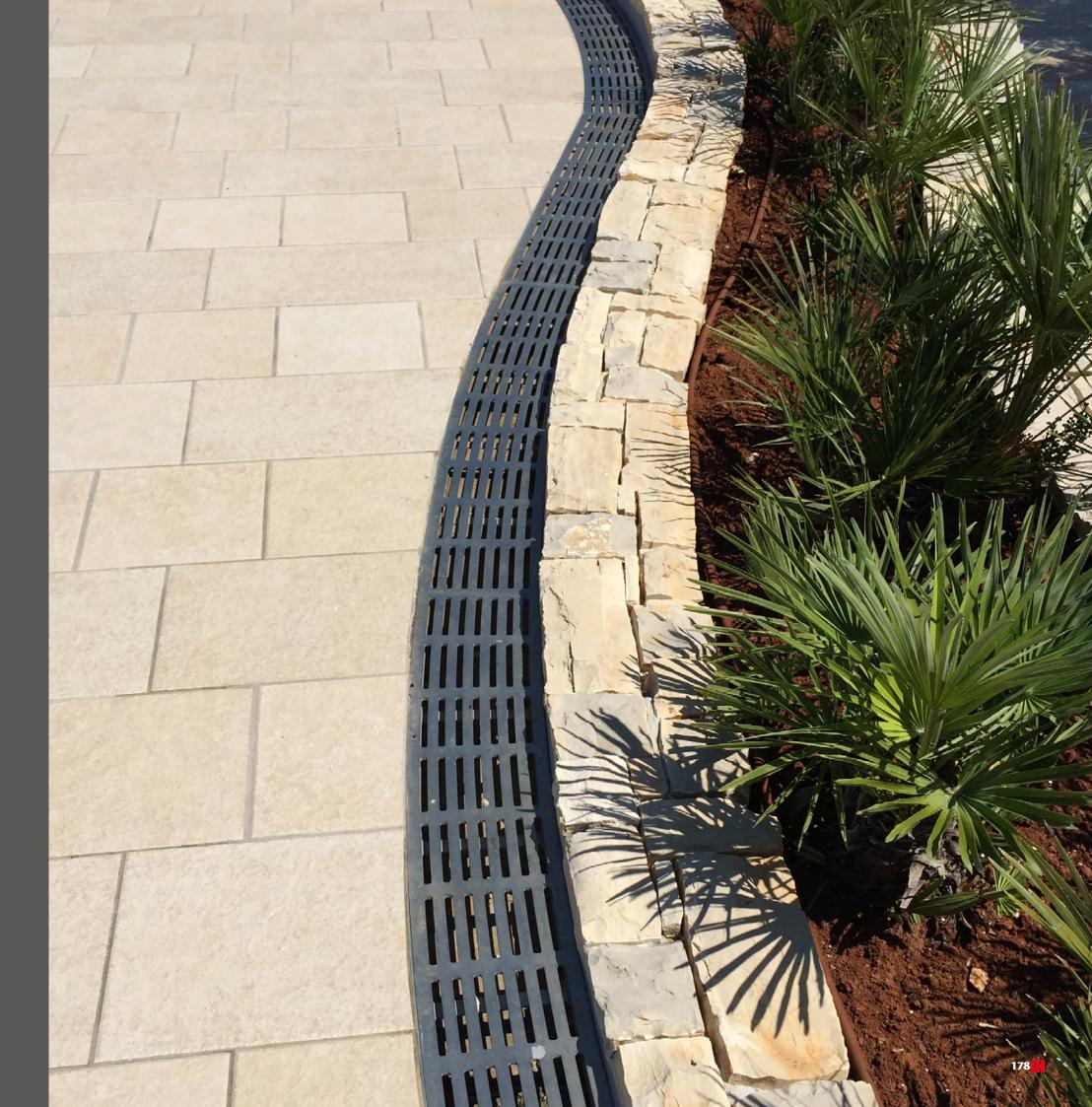


Opened in June 2015, Valamar Riviera's luxurious family resort Valamar Isabella Island Resort sits on the island of Sveti Nikola opposite Poreč town. Surface drainage is efficiently solved by the ACO Brickslot system with narrow, decent absorbing grids that blend into the environment by following the facility's lines.

In the prominent position of the pool sunbath and access to the surface drainage, it is emphasized by the ACO Multiline canal with a perforated grating that with its highgloss stainless steel surface emphasized the luxury of the building itself.









Radisson Blu Resort

Location: Poland, Świnoujście

Architect: Multiselect Zygmunt Baryła

Investor: Radisson Blu Resort

Year of construction: 2017

ACO Products

- ACO Multiline V150S

 ACO Multiline V200S

 ACO Qmax® 225

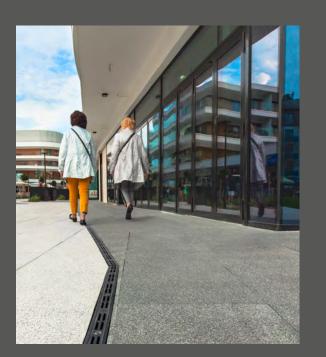
 ACO SlotTop

 ACO XtraDrain NW 100
- ACO XtraDrain X100C
- ACO Coalisator Oleaopator K-PE

ACO Solution

The grand Radisson Blu Resort Hotel in Świnoujście, Poland hotel offers stylish and comfortable accommodation on the sparkling Baltic Sea. ACO supports the projects with complete system solution for surface water management. The design team supported the project hydraulic calculations and complete line drainage system, including channels with gratings, slots and high capacity channels to fit the specific requirements of the different areas surrounding the hotel..









Hotel Bellevue

Location: Lošinj, Croatia

Architect: Andrija Rusan

Year of construction: 2014

- ACO Products

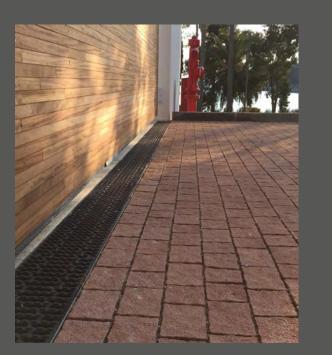
 ACO Spin for green roof- gravity roof drainage
 ACO Stainless steel channels
 ACO Stainless steel hygienic gullies
 LIPU-Mobil mobile grease separator

- ACO Uniface ALU
- ACO Uniface SS ■ ACO SK
- ACO MultiDrain
- ACO XtraDrain
- Oleopator-C grease separator
- ACO Stormbrixx infiltration system

ACO Solution

The renovation of Bellevue Hotel requires complete redesign of surface water management, which includes creating a modern and sustainable system, having in mind increased capacity of the building and also the raise in precipitation volumes in the area. The project involves a comprehensive range of products inside the building – including kitchen and roof drainage. A system solution for rainwater collection, treatment and infiltration system was designed with special focus was put on sustainability, environmental protection and long-term reliability.









Premier Fort Beach

Location: Sunny beach, Bulgaria Architect: arch. Vasil Bonev

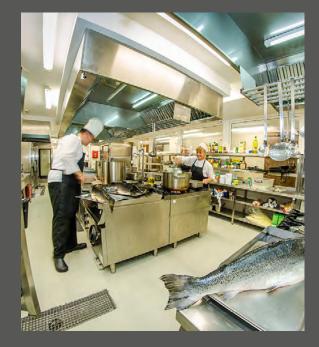
Year of construction: 2015

- ACO Products

 ACO Stainless steel Box Channel
- ACO EG 1gullies
- ACO Stainless steel Slot Channel
- ACO Uniface covers
- ACO Uniface covers
- ACO Mat shoescrapers
- ACO Euroline line drainage

ACO Solution

Premier Apart Hotel is situated right on the beach with two fresh water swimming pools and a children's swimming pool. ACO supports the project with a complete solution for water management in the kitchen, as well as access covers with intergated pavement inside and outside of the hotel. The drainage of the landscaping area of the hotel is provided by ACO Euroline drainage channels with composite graings.









Amarin

Location: Rovinj, Croatia

Architect: Studio UP

Year of construction: 2017

ACO Products

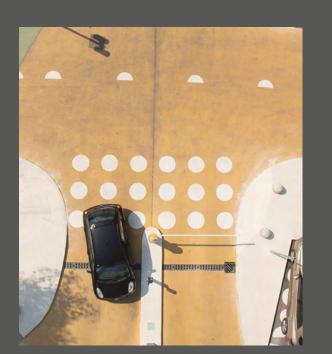
- ACO MultiDrain line drainage with design gratings
- ACO Monoblock monolithic drainage channels
- ACO Uniface covers access covers
- ACO FHD Gully point drainage
- ACO ShowerDrain design bath drainage
- ACO Self XtraDrain line drainage
- ACO Self Hexaline line drainage for pedestrian areas
- ACO Box hygienic channel
- ACO Lipumax grease separator
- ACO Lipumax-P grease separator

ACO Solution

Family Hotel Amarin is located in a thick pine forest, on the eastern edge of the Monsena-Valdaliso area, on a peninsula with views of Rovinj, Venice and Figarola Island.

This hotel is rightfully named "family" due to 280 accommodation units mostly interconnected by doors, offering a magnificent view of the Adriatic sea and the old town center of Rovinj, which is only a couple of minutes' drive away. The pebbly and rocky beach below the hotel is one kilometer long, but most guests are bound to choose one of the seven attractive pools or the lazy river for their swim. A 1,500 square-meter wellness and spa zone and six catering establishments are also located in the hotel, and besides numerous playgrounds and playrooms, the hotel also have the original Amarin Kids program, developed in collaboration with a team of top child psychologists. A truly ideal place for a carefree family holiday with style, from which boredom is strictly banned.









Bor

Location: Sunny beach, Bulgaria Architect: Arch View Gradinarska

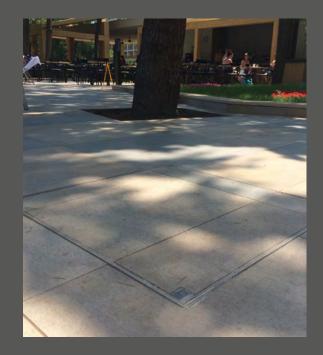
Year of construction: 2015

- ACO Products

 ACO Stainless steel Box Channel
- ACO EG 1gullies
- ACO Stainless steel Slot Channel
- ACO ECO Mobil
- ACO Uniface covers
- ACO Uniface covers



The reconstruction of the hotel includes modernization of the Spa & Pool area, as well as the interior of the hotel and the kitchen facilities. ACO supports the project with high quality drainage and waste water treatment systems for the kitchen area, as well as drainage solutions for the restaurant terrace and landscaping areas. High quality access covers with integrated floor covering are installed both in the interior









Globetrotter Lodge

Location: Ascheffel, Germany Architect: Moths Architekten Year of construction: 2014

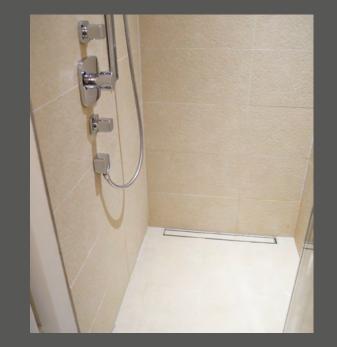
- ACO Products

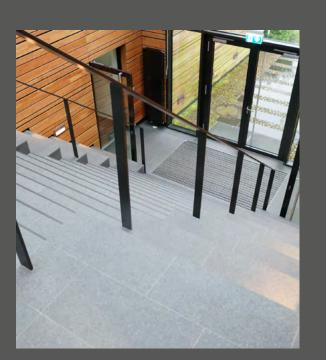
 ACO Profiline
- ACO ShowerDrain
- ACO Vario
- ACO Lightshafts

ACO Solution

The Globetrotter Lodge in Ascheffel, Germany offers modern comfort in a natural environment. The hotel building, as well as the 23-meter observation tower feature natural wood lamela facades, teak surfaces , nature motifs on the walls, hardwood

floors and floor-to-ceiling windows in front of the generous wooden terrace. ACO supported the architect to ensure the drainage of surfaces, considering the special requirements of the project. Based on detailed hydraulic calculations, the size and structure of the catchment areas and the expected rainfall intensity - the complete drainage layout was designed. In addition to the facade drainage, the system solution was completed with bathroom drainage, lightshafts and shoescapers.









Zámek Valeč

Location: Czech Republic, Valeč

Investor: V-Stav

Year of construction: 2014-2017

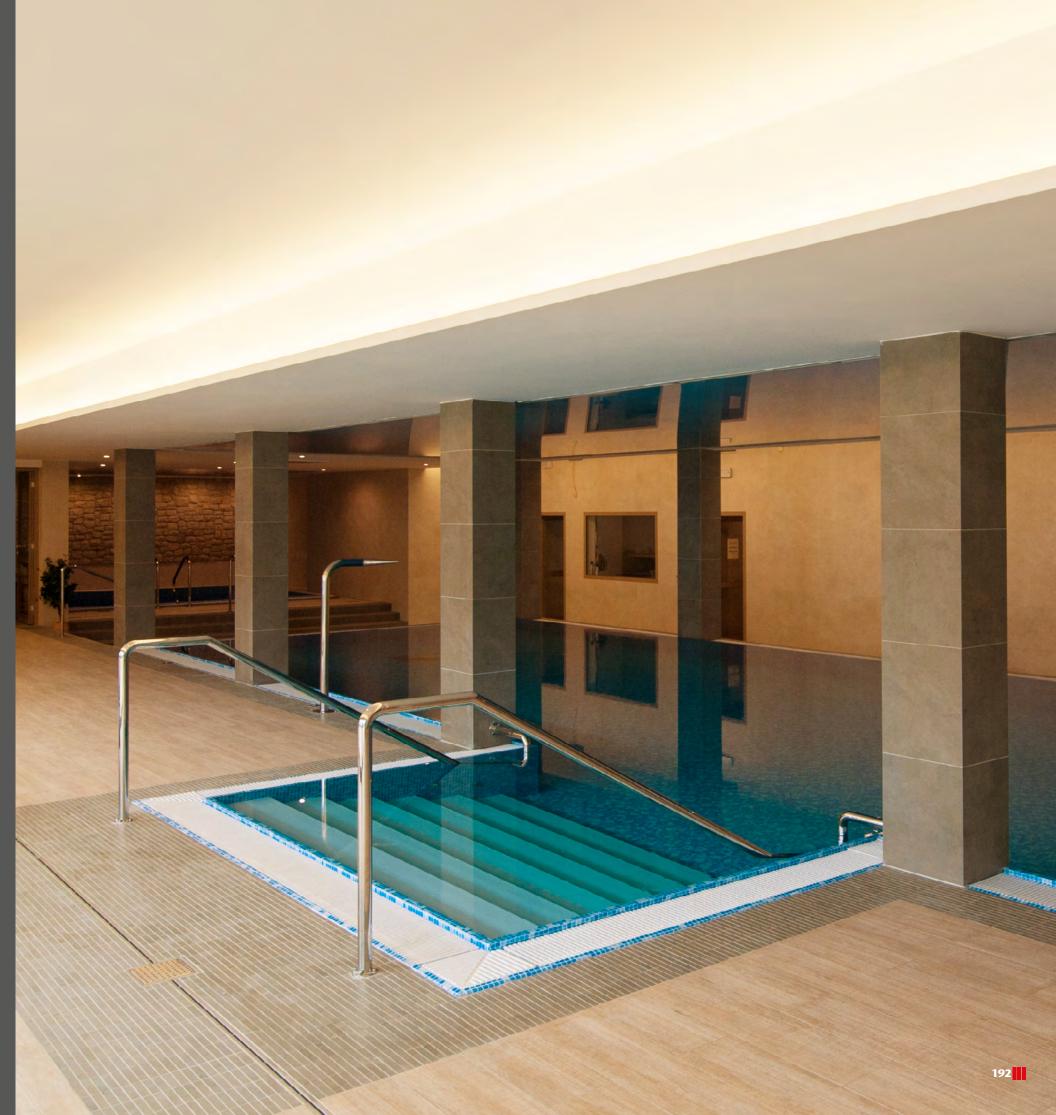
- ACO Products
 ACO ShowerDrain C
- ACO Hygienic modular channel, gully -125ACO Slot channels 8 mm
- ACO MultiDrain

ACO Solution

The design project involved reviving the Renaissance chateau into a modern wellness hotels. ACO supports the project with custom made stainless steel channels for the pool as well as design shower drainage of the spa and the baths. Besides the drainage in the interior of the hotel, the outside area, including the parking lot and the landscaping have line drainage ACO MultiDrain installed.









Hotel Krasicki

Location: Poland, Lidzbark Warmiński

Architect: AMCO Olsztyn **Investor:** Hotel Krasicki

Year of construction: 2011

ACO Products

- ACO ShowerDrain E
- ACO XtraDrain X100C
- ACO Easyflow

ACO Solution

Set in a redbrick waterfront mansion, this stately hotel is next to the 14th-century Olsztyn Castle. Formerly a bishop residence, the building is redesigned into an artistic modern spa hotel. Natural stone in bathrooms and spa area is highlighted with ACO ShowerDrain channels and design gullies. Line drainage ACO XtraDrain is installed in the external area around the hotel.









Kempinski Grand Arena

Location: Bansko, Bulgaria Architect: Arca Studio

Year of construction: 2005

ACO Products
■ ACO Uniface - access covers

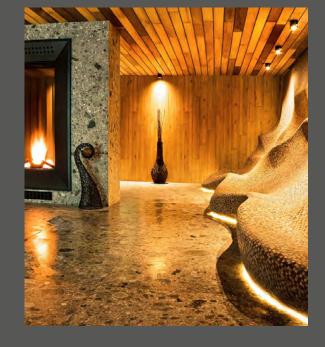
■ ACO XtraDrain - line drainage

ACO Solution

Kempinski Grand Arena is a landmark in the biggest ski resort in Bulgaria – Bansko. The project executed in 2005 consists of 160 luxury rooms, internal and external pools, remarkable spa area and multiple restaurants. The alpine architecture of the hotel cor-

responds to the magnificent mountain landscape.

Located right next to the gondola, the hotel offers year-round experience for skiers and mountain lovers. ACO supports the project with solutions for gardens the landscaping









Therme Oberlaa

Location: Vienna, Austria

Architect: 4a Architekten

Year of construction: 2010

ACO Products

- ACO Slot channels
- ACO Floor gullies
- ACO ShowerDrain



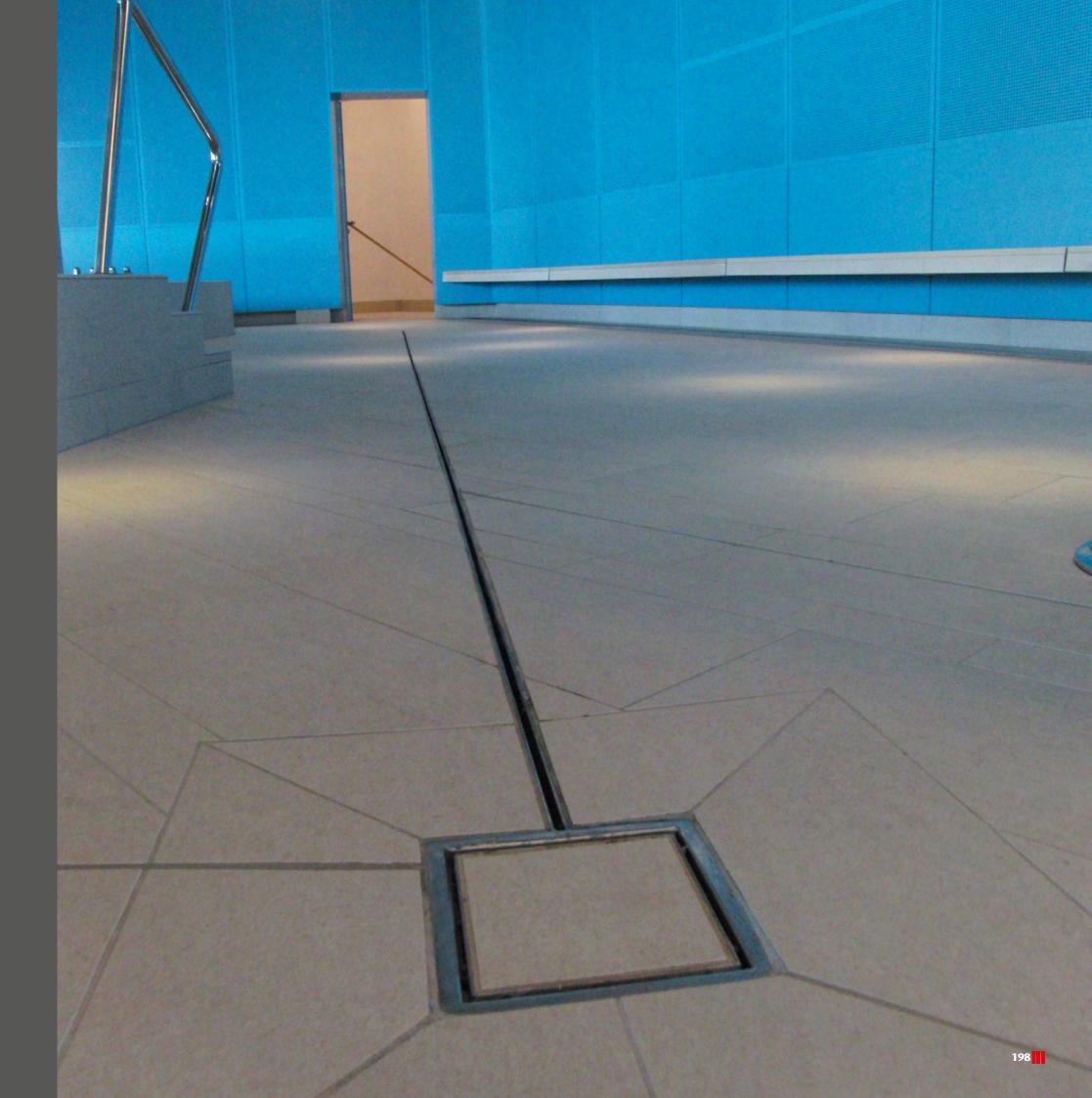
Only three impressive numbers give a first clear impression of a gigantic recreation area right in Vienna: 26 different pools, 24 different sauna types and a capacity of up to 6.000 guests per day. Besides recreation in huge dimensions, architecture and design played a major role when Therme Oberlaa was built and finally opened its doors in autumn 2010.

For safe operation, drainage is a key element to consider. Especially in areas where people walk barefoot. ACO slot channels made of stainless steel were chosen as an excellent solution to be in accordance with both safety and aesthetic demands. A narrow slot with still great water intake and very decent optical appearance collects and takes the water to the gully. The gully top was covered with the respective tiles as well to keep the homogenous surface design.

ACO solutions can also be found in the showering areas, where ACO shower channels were installed to keep a barrier free and clean surrounding.









Gazprom complex of hotels and cable ways

Location: Russia, Sochi

Investor: Rosengineering company

Year of construction: 2013

- ACO Products

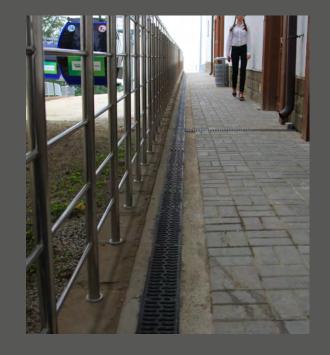
 ACO Multiline V100

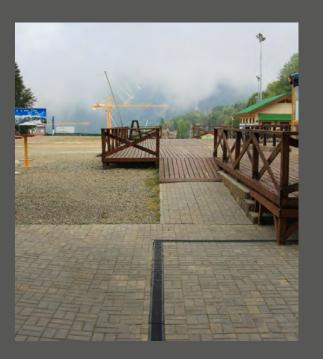
 ACO Multiline V150

 ACO Multiline V200



The complex of hotels and cable ways Gazprom is located on the crest of the south-west extremity of Psekhako ridge at height more 1430m in the Adler in Sochi in Krasnodar region. The hotel complex represents composition of the buildings executed in original motives of modern architecture. The serious surveying works were preceded to deliveries to this object because a seismicity of the area its location makes 9 points, and for climate the raised snow and wind loadings are characteristic. In 2009 specialists of ACO technical department together with the Rosengineering company developed project documentation about installation of drainage systems in the territory of complex.The choice of the drainage ACO Multiline system which became result of work of designers and ACO Russia technical specialists. ACO Multiline system is ideally adapted for changing atmospheric conditions in Sochi.









At the Park Hotel

Location: Baden, Austria
Architect: Roland Nemetz
Year of construction: 2014
ACO Products

■ ACO Uniface - access covers



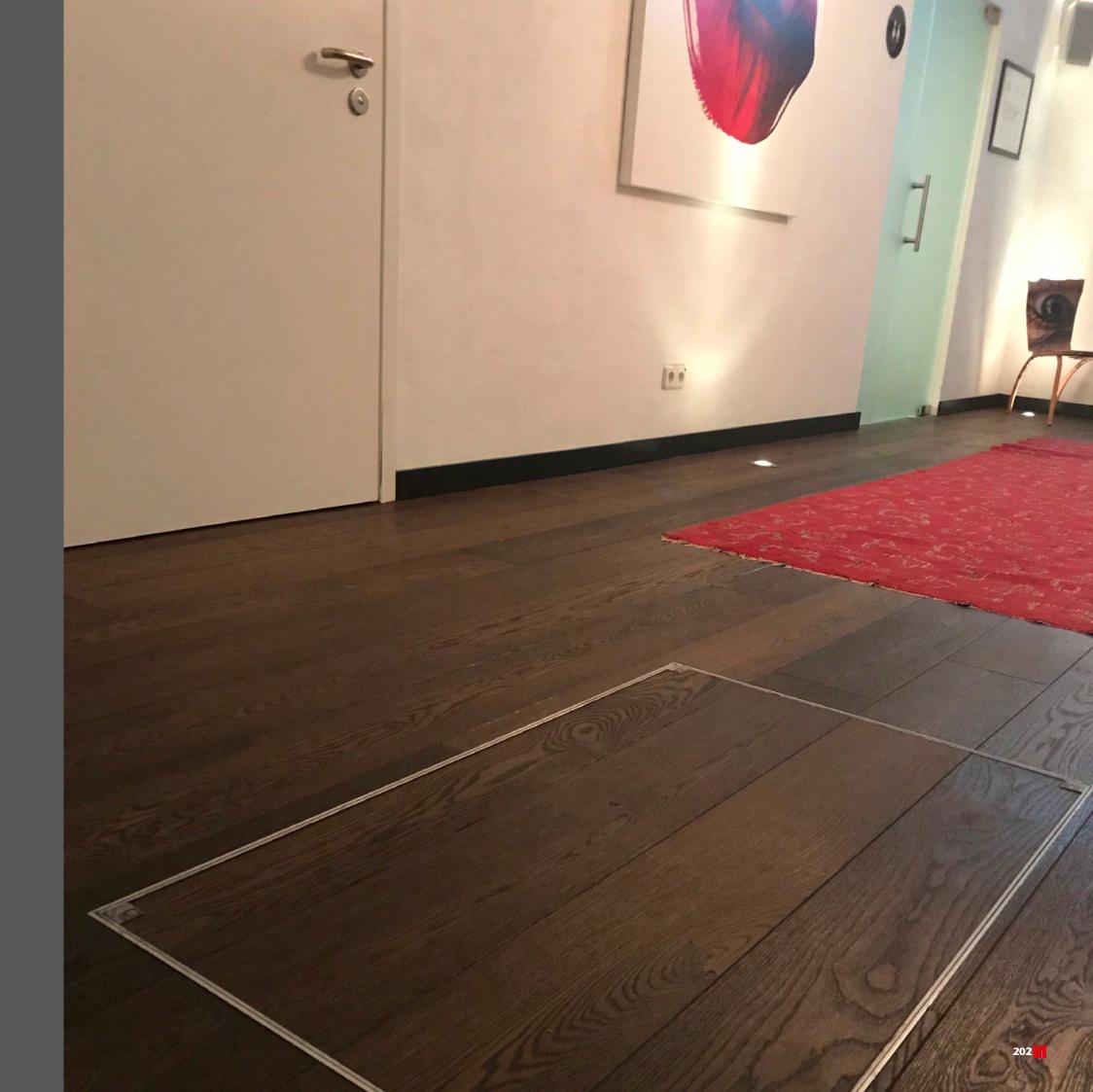
The At the Park Hotel is based in the historic city center of Baden right next to the enchanting "Kurpark". Since the 1970s it is in the hands of a hoteliers family. Back then it was bought by the grandfather of the current hotel director. When the young generation took over the family business, it was also the right occasion for a complete but gentle renovation.

Utilizing the beauty of the green park areas around the building for the guests was one target. The other one was to keep some decent elements of the past and the family history. It should be a mixture of fine etiquette and familial easiness. The refurbishment was without any doubt a challenging task for the architect – the current hotel directors father. The entrance hall was lowered by one meter, heavy glass panels were installed to open the facade to the park and the nice completely new terrace. The old pool was exchanged by an excellent vinotheque and a lot of artwork and extraordinary carpets found their way into the hotel.

By bringing new technology standards into the hotel, the necessity of "hiding" the access to them underneath the flooring came up. First priority was to keep the homogenous surface design of the precious wooden and tiled floors. This is where ACO was able to contribute with its solution of access covers.









Boutique hotel Chateau Herálec

Location: Herálec , Czech Republic

Investor: Kaspers

Year of reconstruction: 2004

- ACO Products

 ACO SK line drainage
- ACO XtraDrain line drainageACO Stainless steel bespoke channels

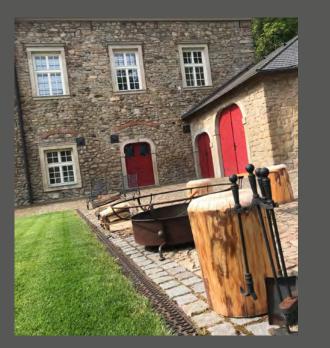
ACO Solution

The walls of Chateau Herálec are dated back to the 13th century. The historic building was owned by different nobel families in time. In 2004 is was turned into a luxury spa hotel and has achieved its new dignified existence as a five-star Boutique Hotel & Spa

by L´Occitane.

ACO supported the project of reconstruction with delivering solutions for the garden and landscaping areas, as well as cusom made drainage for the spa and pool area.









Burj Al Arab

Location: Dubai

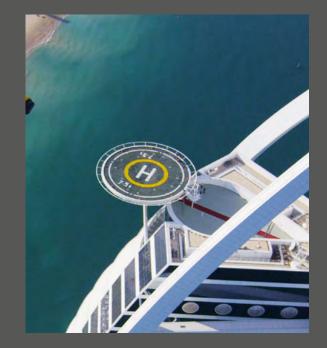
Architect: Atkins, lead by Tom Wright **Year of reconstruction**: 1999

ACO Products

- ACO Custom drainage solutions for kitchen
- ACO Custom drainage solutions for helicopter landing pad



Consistently voted the world's most luxurious hotel, Burj Al Arab and its stunning hotel interior design is the icon of Dubai. With a height of 321 meters it is the tallest all-suite hotel in the world. Burj Al Arab is world's only skyscraper built on an artificial island, the building stands island on the Persian Gulf, 280 m from Jumeirah beach and is connected to the mainland by a private curving bridge. The building is specially built there in order to avoid its shadow covering the beach. There are six restaurants for guests to choose from, including Al Muntaha (The Ultimate) recognized as one of the finest restaurants globally and located 200 meters above the Persian Gulf, offering a breathtaking view. One of the iconic features of Burj Al Arab is that cantilevered platform near the roof, the platform is hovering at a height of 210 m above ground and is being used as a helipad. ACO contributed to the highest class service with custom designed line drainage solution of the helicopter landing pad as well with custom grease separation systems for the restaurant kitchens.







ACO Solutions for Hotels and Resorts

Helping create signature hotels worldwide

