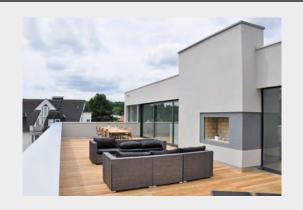
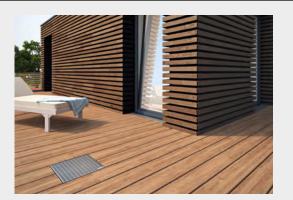
Roof, Terrace & Facade





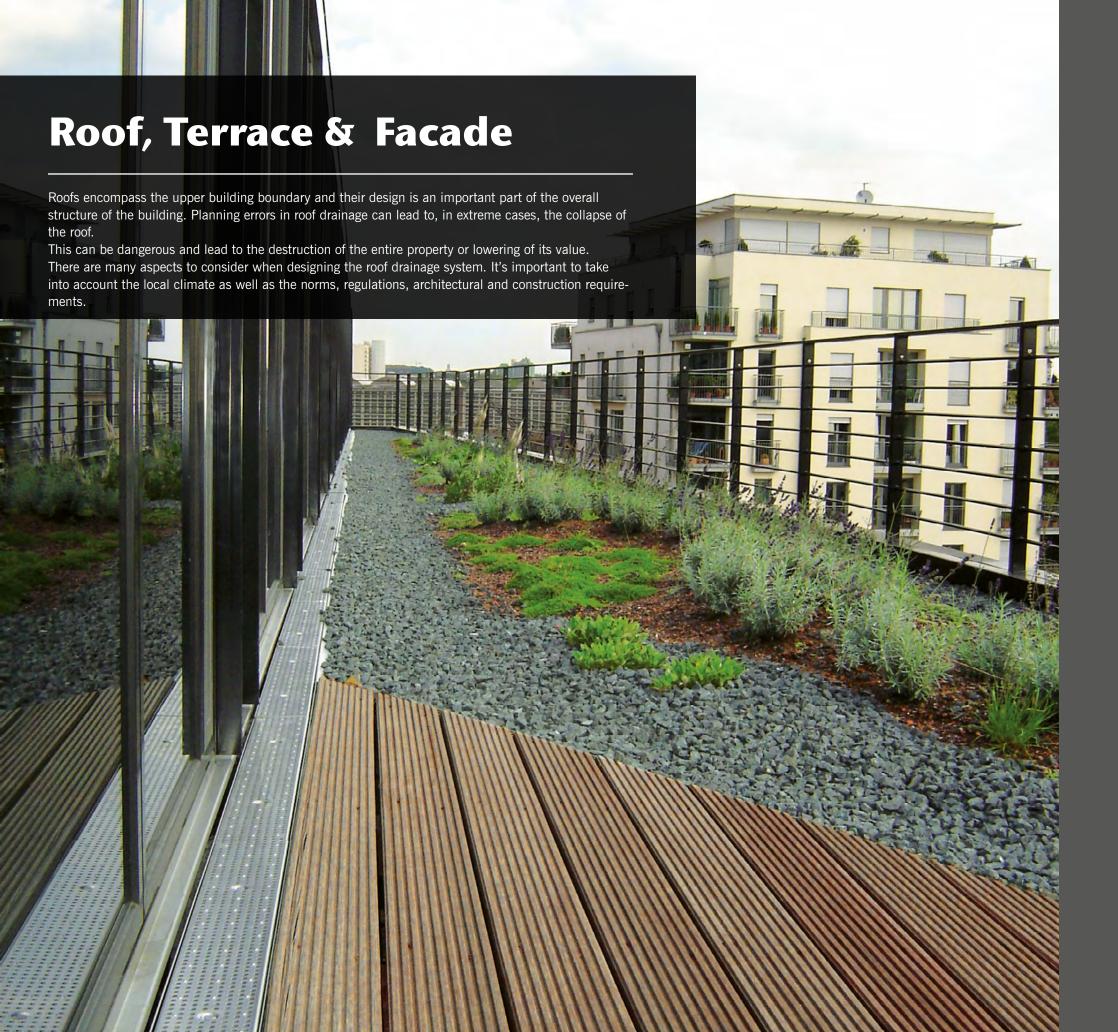














Heavy rainfall

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

Barrier free movement

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

Fire Protection





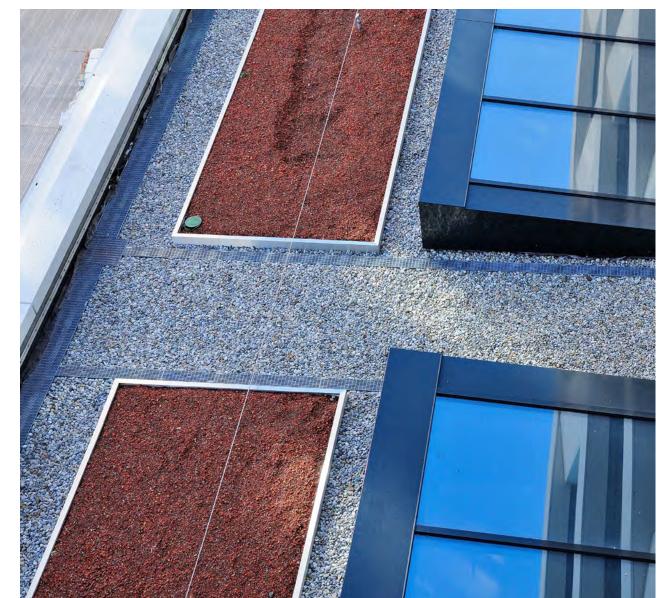


European norms and regulations

- **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



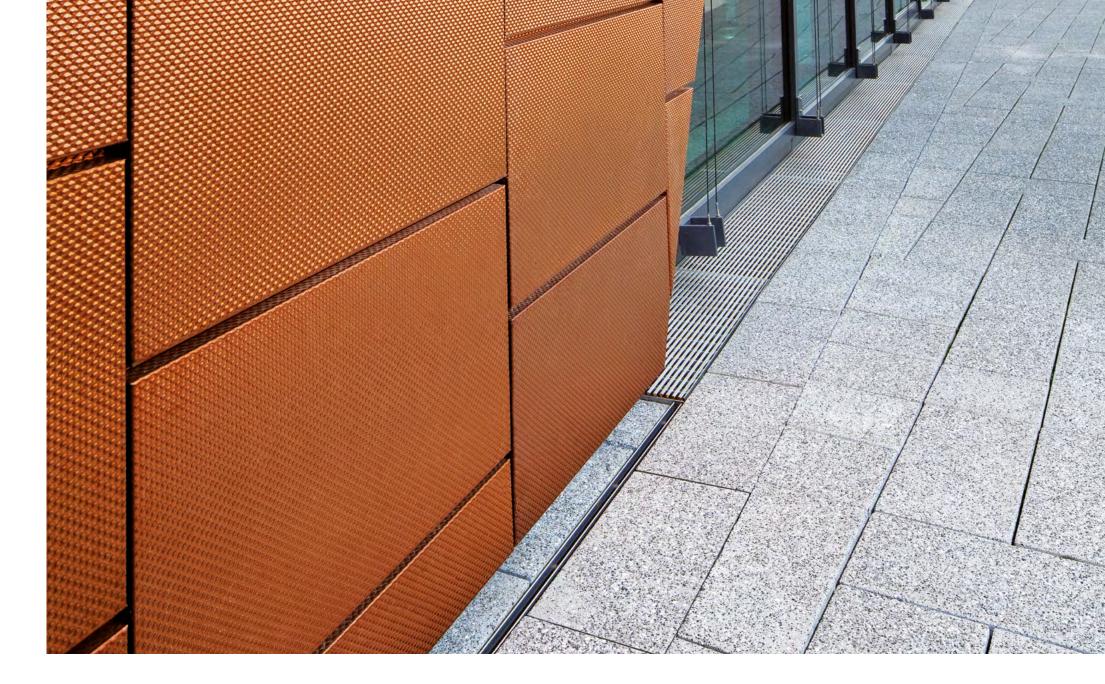
with negative pressure are preferred. ACO offers dual solution to face any project challenges. products in the materials cast iron and stainless steel- A1 class fire protection materials. There are also special solutions for green roof, attic and ware and a high level of practical knowledge.

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



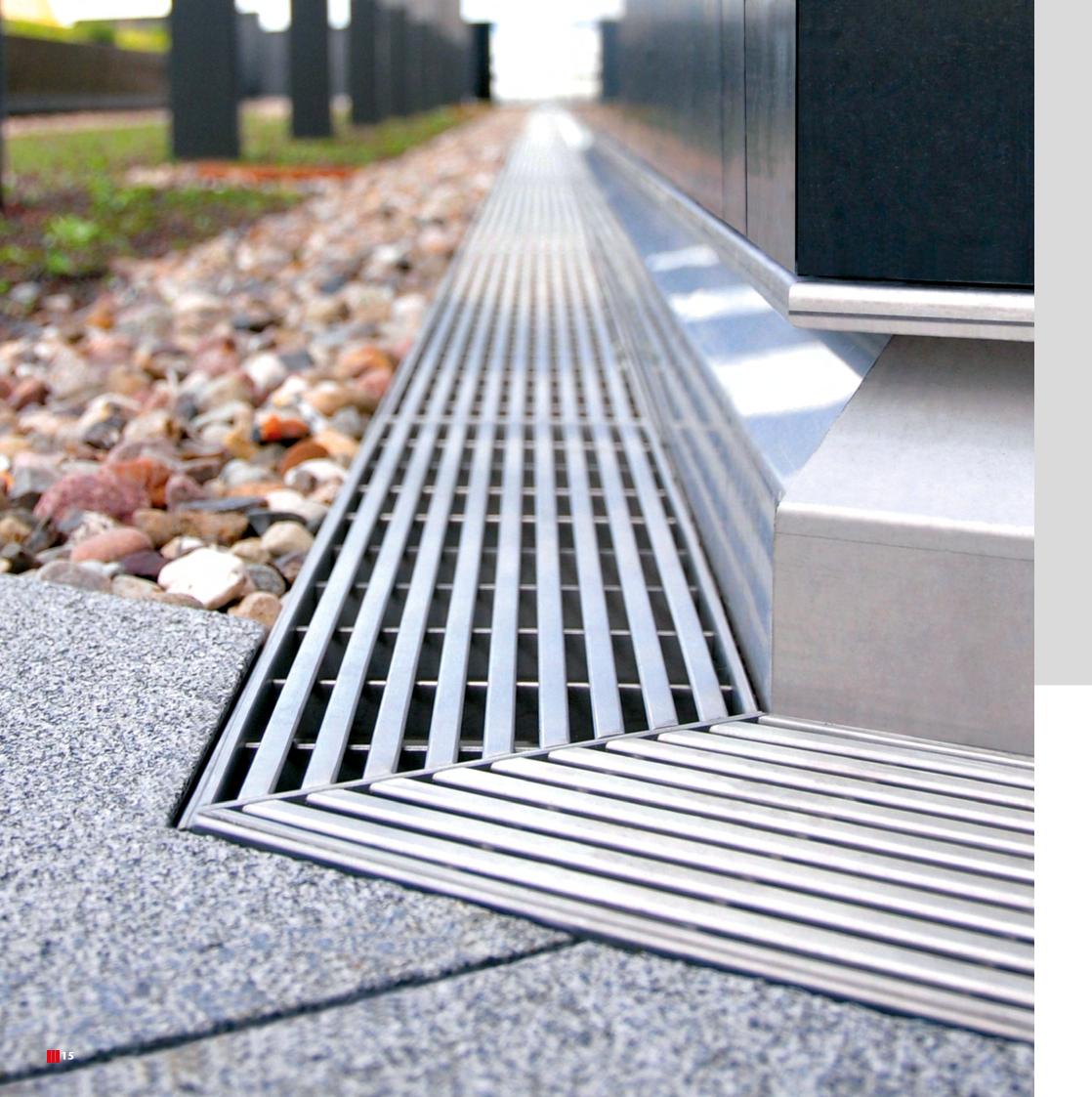
ACO Jet



ACO Spin



ACO GM-X



ACO Profiline

Line drainage

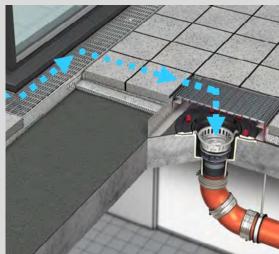
Product overview

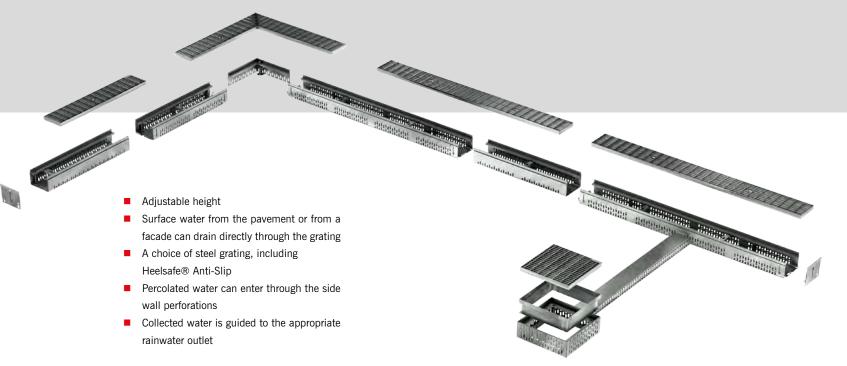
The Profline system is designed to be positioned above the roof or balcony membrane. It drains water directly from the pavement surface or down a façade via the grate. Perforations in the side walls of the channel allow water that has percolated through the pavement or green roof materials, to drain.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

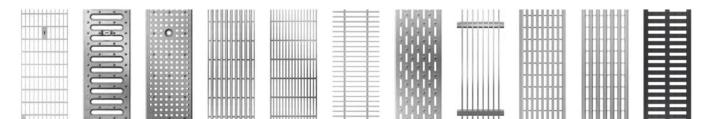
If the roof or balcony drain cannot be ideally situated, drainage ducts can be used to discretely direct the water to

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





- 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

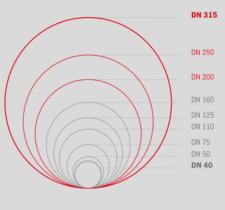
Galvanized steel pipe system

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)
- Frostproof
- Outer sleeve provides enhanced functional security
- Additional internal sound protection coating
- Protection against condensation water prevents the formation of mould

