

## ACO WAL-SELECTA cast iron floor drains

### Applications

Floor drains safely drain off brown water from floors, and discharge the water into drain pipes, to make floors safer to walk on, and to prevent water damage to buildings. Floor drains should be installed wherever grey water can accumulate on floors and needs to be drained off for safety reasons.

Cast iron is still the number one for planners, developers and plumbers in building drainage applications involving floor drains because of its functionality, reliability and safety.

WAL-SELECTA floor drains with odour seals have been successfully used for many decades in hotels, detached houses and multiplexes, hospitals and nursing homes, as well as commercial and industrial buildings.



Thanks to its special fitted shape, and practical locking mechanism, the KOMBI odour seal is guaranteed to sit perfectly and optimally seal off the drain. This guarantees fast, easy and safe installation and removal for cleaning and maintenance – even with greasy sockets.

### Standards and certification

All ACO Building Services WAL-SELECTA cast iron floor drains are manufactured pursuant to DIN EN 1253 and DIN 19599. The whole of the WAL-SELECTA floor drain product line in non-flammable cast iron has also been tested pursuant to DIN 4102 specifications, and is certified in accordance with the authorisation regulations for fire resistance classes

R 30 to R 120. The floor drains with horizontal outlet sockets are certified by MPA NRTW, Erwitte office, and issued with “General Building Supervisory Authority Test Certificate” No. P-MPA-E-02-005. ACO Building Services has received “General Building Supervisory Authority Authorisation” No. Z-19.17.1527 for the floor drains with vertical outlet sockets.

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Product advantages at a glance

|  |   |   |
|--|---|---|
| <p><b>Noise protection</b><br/>Certified noise protection pursuant to DIN 4109 and VDI 4100 &lt; 25 dB</p> | <p><b>Non flammable</b><br/>Cast iron classified as construction material Class A1 pursuant to DIN 4102</p> | <p><b>Versatility and design</b><br/>Top sections for all applications, and gratings in eight different designs</p>             |
| <p><b>Resistance</b><br/>Resistant to hot-poured flooring materials</p>                                    |                           | <p><b>Fire protection</b><br/>Certified fire protection in R 30 – R 120 quality for vertical and horizontal outlet sockets.</p> |
| <p><b>Intelligent assembly</b><br/>Mortarless installation using ACO FIT-IN installation kits</p>          |   | <p><b>Mechanical stability</b><br/>Temperature resistant to 400 °C with no effect on mechanical properties</p>                  |



## The ACO WAL-SELECTA floor drain system



### Fire protection for professionals

All WAL-SELECTA floor drains with horizontal outlet sockets can be installed without fire protection kits directly into ceilings if there is a minimum separation of 600 mm from the down pipe, and the cladding of the ceiling duct around the down pipe complies with R 30 to R 120 quality (according to the specified fire resistance duration of the solid ceiling).

WAL-SELECTA floor drains with vertical outlet sockets comply with fire resistance classes R 30 to R 120 when installed with fire protection odour seals combined with fire protection cartridges. This gives double protection: fire protection is guaranteed for fires breaking out above or below the drain.

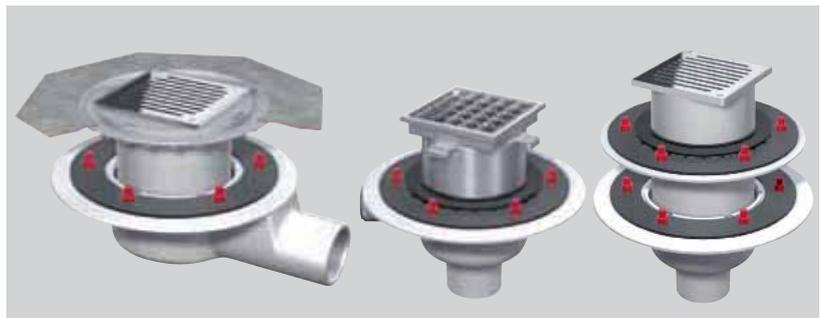
### Cavity sealing with the FIT-IN installation kit



After floor drains have been fitted into the holes cut by coring, the cavity around the drain has to be sealed up again. This is particularly important when classified fire protection ceilings are involved. Because proper professional filling involves a lot of time, work and expense, ACO Building Services developed the FIT-IN installation kits for the mortarless filling of cored holes. Installation kits are suitable for minimum ceiling thicknesses of 150 mm and fire resistance classes R 30 – R 120.

### Flexibility for every application

ACO Building Services boasts the largest available spectrum of drain bodies, top sections and other supplementary components. In combination, they can solve almost all conceivable applications: such as deeper installations with top sections, connecting up several sealing levels, or joining up with lateral inlet pipes – the WAL-SELECTA product range contains numerous combinable supplementary components to suit almost every installation situation.



## Cast iron material

WAL-SELECTA floor drains are made of cast iron with graphite flakes pursuant to DIN 1691.

This is an iron-carbon alloy in which the carbon is incorporated within the metallic ground mass in the form of flakes. This graphite lattice gives the cast iron its superb corrosion resistance. This special cast iron therefore has an excellent track record in drainage applications.



Cast iron is particularly resistant to domestic wastewater pursuant to DIN 1986-3. Cast iron also has good corrosion resistance to chemicals, e.g. alkalis etc.

ACO Building Services' cast iron drains are supplied with two different coatings. The simple dark paint is only there to protect the drains during transport and storage, it is not a corrosion-protection surface coating because cast iron is already superbly resistant to corrosion thanks to the intrinsic graphite lattice.



If the drain bodies have to comply with higher hygiene specifications as well as style criteria, and if a special surface structure is required – in applications when the special advantages of cast iron are also needed – the components involved can be given an artificial resin powder coating (epoxy-coating). This coating also improves the surface of the cast iron. The epoxy resin coating is dusted onto the cast iron surface in the form of a powder in an electrostatic process. Heat is applied to melt the resin and form a homogenous surface layer.

### Noise protection in accordance with the relevant standards

All WAL-SELECTA floor drains have noise protection certification. The values for functional noise (water hitting the base plate) is 23 dB. The standards stipulate a maximum of 25 dB, which means that the WAL-SELECTA product line is better than the applicable standard. The test certificate issued by the Fraunhofer Institute for Construction Physics can be ordered from ACO Building Services upon request.

### Material benefits

- Cast iron is classified as construction material class A1 pursuant to DIN 4102, and is therefore non flammable.
- Cast iron is absolutely resistant, even to surfacing materials which are laid hot, such as mastic asphalt.
- Because cast iron and concrete have almost identical coefficients of expansion, the drain remains permanently bonded to the slab even when affected by strong temperature fluctuations after installation.



### Pro-environment through informed material selection

Cast iron GJL 200 is completely recyclable. The recoverability of this material makes a sustainable contribution to environmental protection.

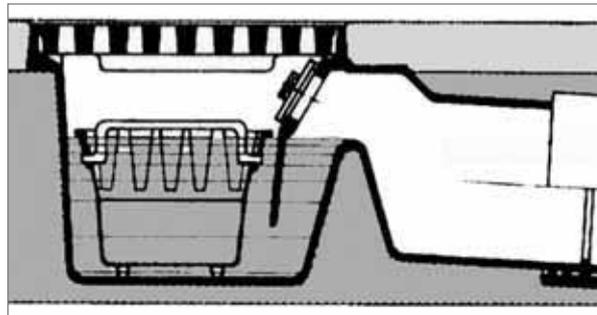
## Floor structure and floor drain construction

As far as structural physics are concerned, the various floor structures can be divided into four main groups:

- 1) Floor structure with no seal / floor drain without rim
- 2) Floor structures sealed by the floor covering / floor drain with connecting rim
- 3) Floor structure sealed by a sealing membrane / floor drain with an adhesive or a compression-sealing flange
- 4) Floor structure sealed by two sealing membranes / floor drain, two-piece with two adhesive or compression-sealing flanges

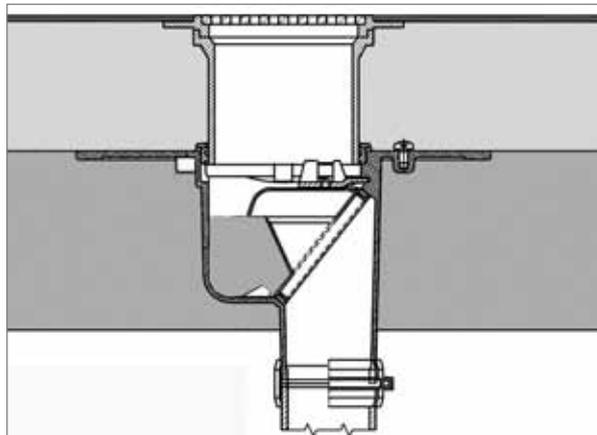
### 1) Floor structure without sealing; floor drain without a connecting rim

This type of floor structure is often used for cellar floors. The structure of the floor consists of a concrete slab covered with cement screed. Detached houses in particular frequently have floor structures of this kind without seals because wastewater usually only comes into contact with the floors in such areas during an emergency, or when draining off water from the drinking water supply or the heating system.



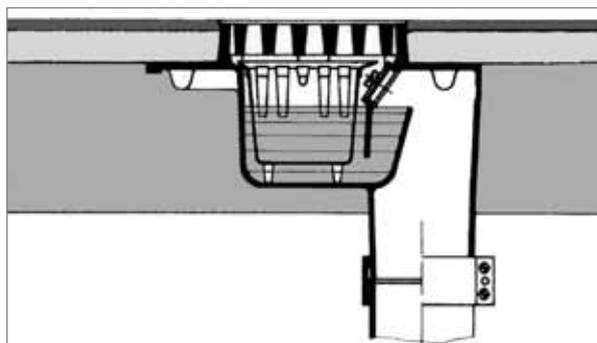
### 2a) Floor structure sealed by a PVC floor covering; top section with a connecting rim

This type of floor structure is frequently used in hospitals, nursing homes and schools which favour PVC floor coverings. The floor covering in this case is connected up to the floor drain with a water-tight seal.



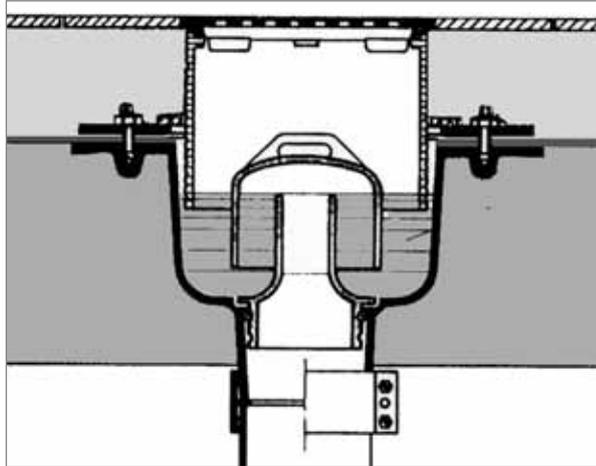
### 2b) Floor structure sealed with an artificial resin floor covering; floor drain with a connecting rim

This type of seal today includes the artificial resin floor coverings used in industrial applications, e.g. by the food and beverages industry, as well as floorings including an impermeable-concrete slab with surface sealing. The special feature of this type of floor structure is that the floor covering also acts as the seal.



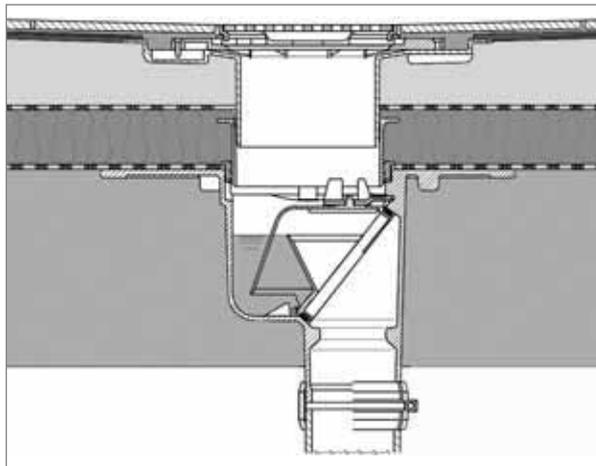
**3) Floor structure incorporating a “conventional seal” in the form of a sealing membrane**

This is the most frequently used and most common floor structure where the surfaces are exposed to moderate to heavy wear as a result of non-pressurised surface water, temperature and traffic – for instance, sanitary rooms, industrial kitchens, etc., where the floor coverings must be anti-slip, and seals are required to protect the concrete slab.



Floor structure with a “conventional seal” provided by a sealing membrane; floor drain incorporating an adhesive or a compression-sealing flange

In addition to the conventional sealing of large areas with this type of floor structure by way of sealing membranes or bitumen sealing films or polymer sealants, there is an increasing trend today for the use of “alternative seals” in the form of single or two-component sealants applied as liquid films in combination with tiles or sheet floorings. The advantage of this method is that it is almost impossible for water to penetrate the mortar bed even if the joints between the tiles are non-sealing. Unlike the “conventional” seals, these “alternative seals” are located directly beneath the tiling.

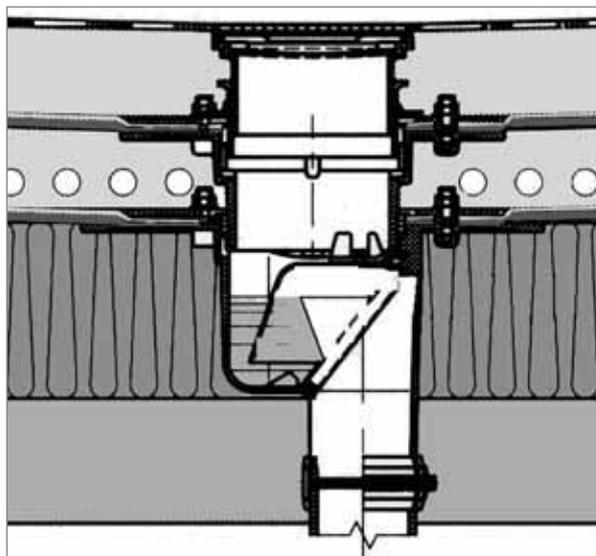


Floor structure with an “alternative seal”; top section with a connecting sleeve

**4) Floor structure sealed by two sealing membranes**

These floor structures are also affected by non-pressurised surface water or seepage water. The floor structure usually also incorporates thermal insulation or impact sound insulation which has to be protected from the diffusion of water vapour from below, and from the penetration of wastewater from above. This is why two sealing membranes are used in these cases.

All of the different types of floor structure described above can be found at any level or position within a building depending on the type of exposure to water foreseen in each different type of room during planning.



Floor structure with two seals; two-piece floor drain with an adhesive or compression-sealing flange

## Complying with Building Supervisory Authority specifications by using ACO cast iron fire protection floor drains

ACO Building Services commits itself to satisfying all the new technical regulations defined for fire and noise protection. Its complete WAL-SELECTA cast iron floor drain range was tested pursuant to DIN 4102. It passed the test and received certification for fire resistance classes R 30 to R 120.

The special features of ACO Building Services' fire protection floor drains are as follows:

### Floor drains with vertical outlet sockets (90°)

The floor drains are equipped with fire protection kits. If DN 50/70 floor drains are installed, only the additional fire protection cartridges need to be ordered (see page 15). The KOMBI odour seal with heat shield has been a standard component in the DN 50/70 floor drain product line since January 2006.

The KOMBI odour seals with heat shields must be ordered extra when converting older floor drains. The DN 100 floor drain bodies can be upgraded with the WAL-SELECTA DN 100 fire protection kit. These are described on page 21.



### Floor drains with horizontal outlet sockets (1.5°)

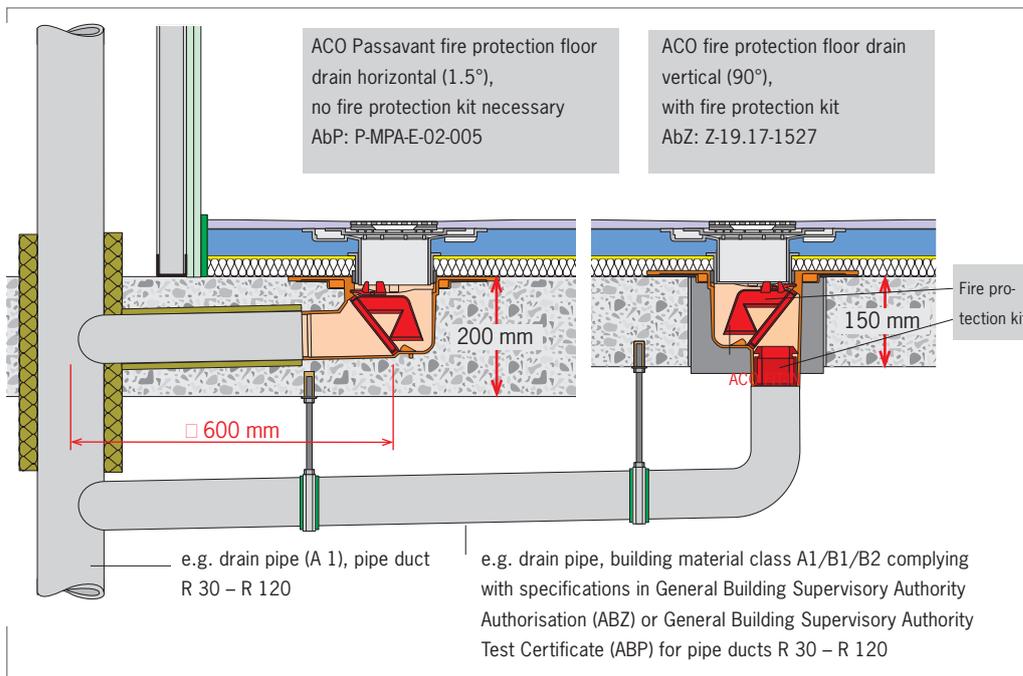
The floor drains with lateral outlet sockets require no additional fire protection measures if the following criteria are satisfied:

- Minimum distance to the down pipe 600 mm
- Concrete ceiling with a minimum thickness of 200 mm

- Depending on the specified fire resistance class of the solid ceiling, the sealing ducts around the down pipe must be clad with R 30 to R 120 quality material



## Installation examples of fire protection floor drains with fire resistance classes R 30 to R 120



## Installation of vertical ACO fire protection floor drains R 30 to R 120

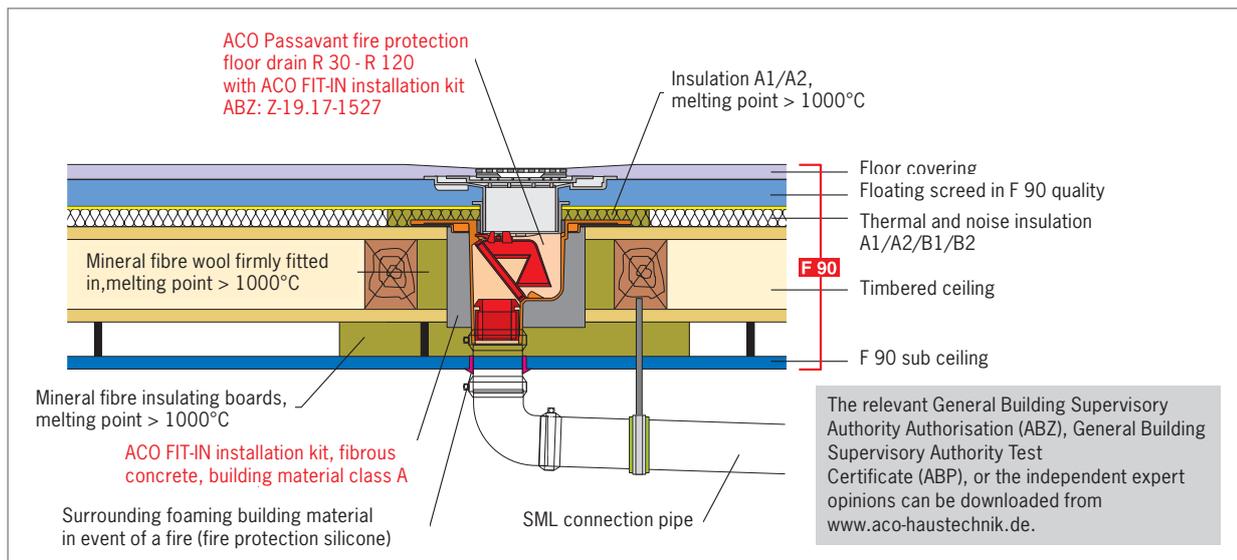
To safely prevent fire and smoke from spreading, good workmanship is essential to seal the rebate around fire protection floor drains – this is crucial! The fire protection floor drains can be installed as follows:

- By pouring them in directly when the ceiling is being constructed (minimum ceiling thickness 150 mm for DN 50/70/80, and 200 mm for DN 100).
- With square rebates in massive ceilings (minimum ceiling thickness 150 mm for DN 50/70/80, and 200 mm for DN 100), remaining gaps must be completely sealed by pouring in concrete in accordance with the installation instructions and specifications in the General Building Supervisory Authority Authorisation (ABZ) or the General Building Supervisory Authority Test Certificate (ABP).
- In massive ceilings (minimum ceiling thickness 100 mm for DN 50/70/80, and 150 mm for DN 100) with core boreholes and using the ACO FIT-IN installation kit. This creates a certified seal without having to seal-in the floor drain with mortar.

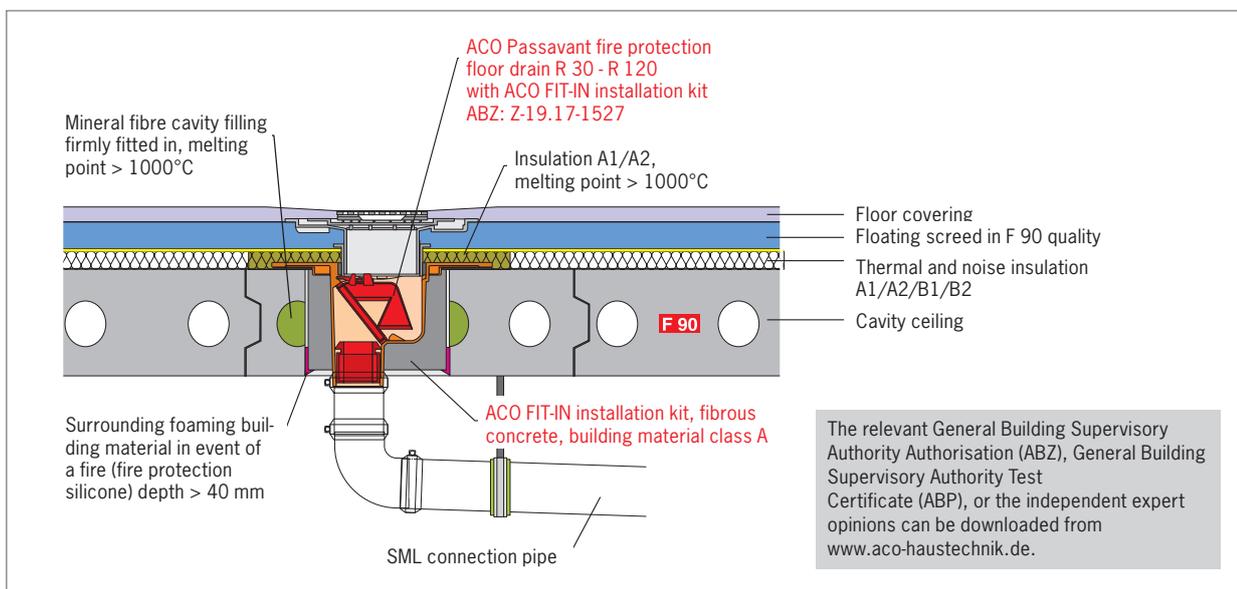
General Building Supervisory Authority Authorisation ABZ No. Z-1917-1527 was issued by DIBt Berlin for this model.

ACO Building Services also has solutions for installation in special ceilings. The following installation suggestions specify the circumstances under which WAL-SELECTA fire protection drains, in combination with the FIT-IN installation kit, can be installed in classified special ceilings (timbered ceilings, cavity ceilings), without diminishing the specified fire resistance class of the ceiling.

### Timbered ceilings F 90



### Cavity ceilings F 90



### ACO AV-Selecta-PP top section for thin-bed sealing

Thin-bed sealing is an alternative sealing method: a single or two-component sealant is spread or painted onto the floor structure to create the seal. AV-Selecta-PP top sections have a welded thin-bed fleece webbing which is incorporated within the thin-bed sealing layer.

The grating frame can be rotated to align it perfectly with the tiling pattern so that it can be optimally integrated within the flooring system.



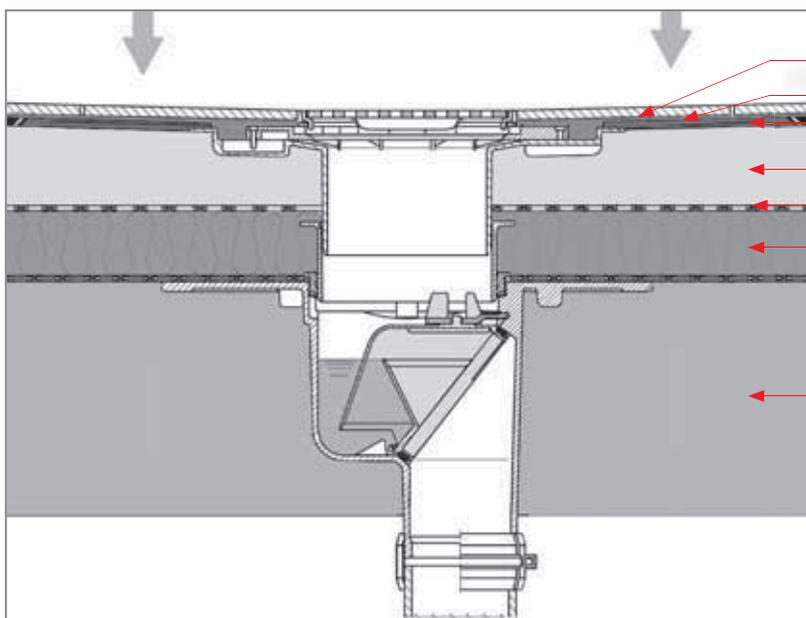
#### Applying a thin-bed seal (using PCI Seccoral as an example)

The thin-bed top section is pushed into the drain body. Ensure that the thin-bed fleece webbing is lying directly on the screed. The PCI Seccoral thin-bed sealant is then applied above and below the fleece webbing. The sealant is then applied to all of the required area.

The thin-bed fleece webbing is worked into the thin-bed sealant.

The grating frame is reinserted in the top section and aligned to the desired tile pattern. The frame is then screwed down tightly.

#### Floor structure

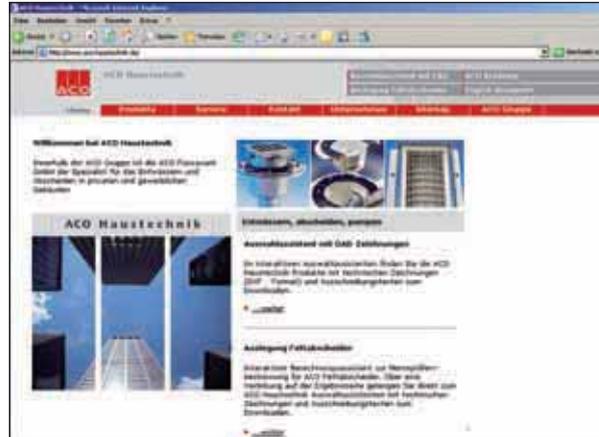


- Tile adhesive
- Thin-bed seal
- Sealing collar
- Screed
- Sliding film
- Insulation
- Concrete ceiling (thickness in accordance with the statics)

## Planning and selection of floor drains – Using the skill and competence of ACO Building Services

### Simple download of scale drawings and specifications

The selection assistant on our website [www.aco-haustechnik.de](http://www.aco-haustechnik.de) can also be used for easy product selection by simply inputting the selection criteria. Specifications and scale drawings can then be downloaded from the database. This can also be done very simply by inputting the selected article numbers.



### Practical training in the Stadtlengsfeld seminar centre

All aspects ranging from the selection of the best floor drain to professional installation are covered at the practical seminars run by ACO Building Services at its modern seminar centre in Stadtlengsfeld – where building drainage and all of the relevant questions are explained and demonstrated in an easily understandable fashion by competent training staff. In addition to regular training courses, technical seminars on special aspects such as fire and back-flow protection are held at regular intervals throughout Germany. Find out more about the contents of these courses and seminars at [www.aco-haustechnik.de](http://www.aco-haustechnik.de).



### Planning and execution of floor drains in the "Building Drainage" Handbook

The ACO Building Services "Building Drainage" Handbook deals in detail with various topics including floor drains. The manual contains 50 pages detailing the principles, function, planning, assembly and maintenance of floor drains in compliance with all of the latest standards and regulations.

The technical details are supplemented by product descriptions incorporating application recommendations, installation situations, and installation instructions – it is therefore a perfect reference book for professionals working in this field. The Building Drainage Handbook can be downloaded from our website "[www.aco-haustechnik.de](http://www.aco-haustechnik.de)" via the link "English documents".

**ACO WAL-SELECTA floor drains, cast iron DN 50, with vertical outlet sockets (90°)**

- DN 50 drain body pursuant to DIN EN 1253
- cast iron, construction material class A1
- with seepage openings and earth connection
- recess dimensions 240 x 360 mm
- fire resistance class R 30 – R 120 for drains with vertical outlets combined with a KOMBI-odour seal PP with heat shield (supplied as standard) and a fire protection cartridge
- weight approx. 10 kg



**No lateral inlet**

|  |                            |         |     |              |            |
|--|----------------------------|---------|-----|--------------|------------|
| <p>The diagram shows the model with a compression-sealing flange</p> | Flange                     |         |     |              |            |
|  | Adhesive flange            | with    | 1,0 | Coated       | 5125.10.00 |
|  |                            |         |     | Epoxy-coated | 5125.60.00 |
|  |                            | without | 1,5 | Coated       | 5150.10.00 |
|  |                            |         |     | Epoxy-coated | 5150.60.00 |
|  | Compression-sealing flange | without | 1,5 | Coated       | 5151.10.00 |
| Epoxy-coated   |                            |         |     | 5151.60.00   |            |

**With lateral inlet DN 40**

|  |                            |         |     |              |            |
|--|----------------------------|---------|-----|--------------|------------|
| <p>The diagram shows a model with a compression-sealing flange</p> | Flange                     |         |     |              |            |
|  | Adhesive flange            | with    | 1,0 | Coated       | 5125.14.00 |
|  |                            |         |     | Epoxy-coated | 5125.64.00 |
|  |                            | without | 1,5 | Coated       | 5150.14.00 |
|  |                            |         |     | Epoxy-coated | 5150.64.00 |
|  | Compression-sealing flange | without | 1,5 | Coated       | 5151.14.00 |
| Epoxy-coated   |                            |         |     | 5151.64.00   |            |

Selection assistant for supplementary components (see page 16)

| Product                      | Drain body without lateral inlet | Drain body with lateral inlet | Article number |
|------------------------------|----------------------------------|-------------------------------|----------------|
| Upper section coated         |                                  |                               | 5145.52.30     |
| Upper section expoxidised    | x                                | x                             | 5145.57.30     |
| Fire protection cartridge    | x                                | x                             | 5150.10.17     |
| FIT-IN installation kit      | x                                | —                             | 5170.10.40     |
| Formwork template for FIT-IN | x                                | —                             | 5170.10.50     |
| Top sections                 | x                                | x                             | See page 17    |

**ACO WAL-SELECTA floor drains, cast iron DN 50, with horizontal outlet sockets (1.5°)**

- DN 50 drain body pursuant to DIN EN 1253
- cast iron, construction material class A1
- with seepage openings and earth connection
- recess dimensions 240 x 450 mm
- fire resistance class R 30 – R 120 for drains with lateral outlets combined with a KOMBI-odour seal PP and proper installation
- weight approx. 10 kg



**No lateral inlet**

|  |                            |                   |               |              |            |
|--|----------------------------|-------------------|---------------|--------------|------------|
| <p>The diagram shows the model with a compression-sealing flange</p> | Flansch                    | Geruchsverschluss | Anschlusswert | Ausführung   | Art.-Nr.   |
|  | Adhesive flange            | with              | 1,0           | Coated       | 5125.30.00 |
|  |                            |                   |               | Epoxy-coated | 5125.80.00 |
|  |                            | without           | 1,5           | Coated       | 5150.30.00 |
|  |                            |                   |               | Epoxy-coated | 5150.80.00 |
|  | Compression-sealing flange | with              | 1,0           | Coated       | 5128.40.00 |
|  |                            |                   |               | Epoxy-coated | 5128.90.00 |
|  |                            | without           | 1,5           | Coated       | 5151.40.00 |
| Epoxy-coated   |                            |                   |               | 5151.90.00   |            |

**With lateral inlet DN 40**

|  |                            |                   |               |              |            |
|--|----------------------------|-------------------|---------------|--------------|------------|
| <p>The diagram shows a model with a compression-sealing flange</p> | Flansch                    | Geruchsverschluss | Anschlusswert | Ausführung   | Art.-Nr.   |
|  | Adhesive flange            | with              | 1,0           | Coated       | 5125.34.00 |
|  |                            |                   |               | Epoxy-coated | 5125.84.00 |
|  |                            | without           | 1,5           | Coated       | 5150.34.00 |
|  |                            |                   |               | Epoxy-coated | 5150.84.00 |
|  | Compression-sealing flange | with              | 1,0           | Coated       | 5128.44.00 |
|  |                            |                   |               | Epoxy-coated | 5128.94.00 |
|  |                            | without           | 1,5           | Coated       | 5151.44.00 |
| Epoxy-coated   |                            |                   |               | 5151.94.00   |            |

Selection assistant for supplementary components (see page 16)

| Product                      | Drain body without lateral inlet | Drain body with lateral inlet | Article number |
|------------------------------|----------------------------------|-------------------------------|----------------|
| Upper section coated         |                                  |                               | 5145.52.30     |
| Upper section expoxidised    | x                                | x                             | 5145.57.30     |
| Fire protection cartridge    | —                                | —                             | 5150.10.17     |
| FIT-IN installation kit      | —                                | —                             | 5170.10.40     |
| Formwork template for FIT-IN | —                                | —                             | 5170.10.50     |
| Top sections                 | x                                | x                             | See page 17    |

**ACO WAL-SELECTA floor drains, cast iron DN 70, with vertical outlet sockets (90°)**

- DN 70 drain body pursuant to DIN EN 1253
- cast iron, construction material class A1
- with seepage openings and earth connection
- recess dimensions 240 x 360 mm
- fire resistance class R 30 – R 120 for drains with vertical outlets combined with a KOMBI-odour seal PP with heat shield (supplied as standard) and a fire protection cartridge
- weight approx. 10 kg



**No lateral inlet**

|  |                            |         |              |              |            |
|--|----------------------------|---------|--------------|--------------|------------|
| <p>The diagram shows the model with a compression-sealing flange</p> | Flange                     |         |              |              |            |
|  | Adhesive flange            | with    | 1,5          | Coated       | 5180.10.00 |
|  |                            |         |              | Epoxy-coated | 5180.60.00 |
|  |                            | without | 2,0          | Coated       | 5170.10.00 |
|  |                            |         |              | Epoxy-coated | 5170.60.00 |
|  | Compression-sealing flange | with    | 1,5          | Coated       | 5181.10.00 |
|  |                            |         | Epoxy-coated | 5181.60.00   |            |
|  | without                    | 2,0     | Coated       | 5171.10.00   |            |
|  |                            |         | Epoxy-coated | 5171.60.00   |            |

**With lateral inlet DN 40**

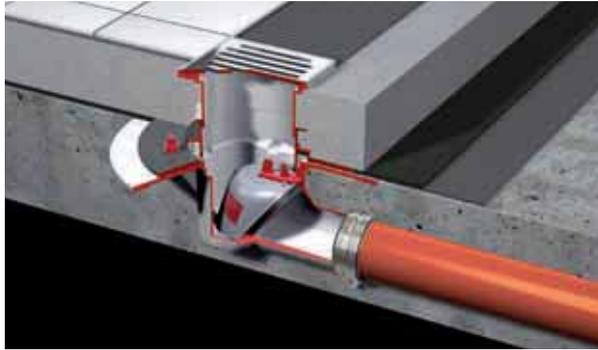
|  |                            |         |              |              |            |
|--|----------------------------|---------|--------------|--------------|------------|
| <p>The diagram shows a model with a compression-sealing flange</p> | Flange                     |         |              |              |            |
|  | Adhesive flange            | with    | 1,5          | Coated       | 5180.14.00 |
|  |                            |         |              | Epoxy-coated | 5180.64.00 |
|  |                            | without | 2,0          | Coated       | 5170.14.00 |
|  |                            |         |              | Epoxy-coated | 5170.64.00 |
|  | Compression-sealing flange | with    | 1,5          | Coated       | 5181.14.00 |
|  |                            |         | Epoxy-coated | 5181.64.00   |            |
|  | without                    | 2,0     | Coated       | 5171.14.00   |            |
|  |                            |         | Epoxy-coated | 5171.64.00   |            |

Selection assistant for supplementary components (see page 16)

| Product                      | Drain body without lateral inlet | Drain body with lateral inlet | Article number |
|------------------------------|----------------------------------|-------------------------------|----------------|
| Upper section coated         |                                  |                               | 5145.52.30     |
| Upper section expoxidised    | x                                | x                             | 5145.57.30     |
| Fire protection cartridge    | x                                | x                             | 5150.10.17     |
| FIT-IN installation kit      | x                                | —                             | 5170.10.40     |
| Formwork template for FIT-IN | x                                | —                             | 5170.10.50     |
| Top sections                 | x                                | x                             | See page 17    |

**ACO WAL-SELECTA floor drains, cast iron DN 70, with lateral outlet sockets (1.5°)**

- DN 70 drain body pursuant to DIN EN 1253
- cast iron, construction material class A1
- with seepage openings and earth connection
- recess dimensions 240 x 450 mm
- fire resistance class R 30 – R 120 for drains with lateral outlets combined with a KOMBI-odour seal PP and proper installation
- weight approx. 10 kg



**No lateral inlet**

|  |                            |            |                  |              |                |
|--|----------------------------|------------|------------------|--------------|----------------|
| <p>The diagram shows the model with a compression-sealing flange</p> | Flange                     | Odour seal | Connection value | Model        | Article number |
|  | Adhesive flange            | with       | 1,5              | Coated       | 5180.30.00     |
|  |                            |            |                  | Epoxy-coated | 5180.80.00     |
|  |                            | without    | 2,0              | Coated       | 5170.30.00     |
|  |                            |            |                  | Epoxy-coated | 5170.80.00     |
|  | Compression-sealing flange | with       | 1,5              | Coated       | 5181.40.00     |
|  |                            |            |                  | Epoxy-coated | 5181.90.00     |
|  |                            | without    | 2,0              | Coated       | 5171.40.00     |
| Epoxy-coated   |                            |            |                  | 5171.90.00   |                |

**With lateral inlet DN 40**

|  |                            |            |                  |              |                |
|--|----------------------------|------------|------------------|--------------|----------------|
| <p>The diagram shows a model with a compression-sealing flange</p> | Flange                     | Odour seal | Connection value | Model        | Article number |
|  | Adhesive flange            | with       | 1,5              | Coated       | 5180.34.00     |
|  |                            |            |                  | Epoxy-coated | 5180.84.00     |
|  |                            | without    | 2,0              | Coated       | 5170.34.00     |
|  |                            |            |                  | Epoxy-coated | 5170.84.00     |
|  | Compression-sealing flange | with       | 1,5              | Coated       | 5181.44.00     |
|  |                            |            |                  | Epoxy-coated | 5181.94.00     |
|  |                            | without    | 2,0              | Coated       | 5171.44.00     |
| Epoxy-coated   |                            |            |                  | 5171.94.00   |                |

Selection assistant for supplementary components (see page 16)

| Product                      | Drain body without lateral inlet | Drain body with lateral inlet | Article number |
|------------------------------|----------------------------------|-------------------------------|----------------|
| Upper section coated         |                                  | x                             | 5145.52.30     |
| Upper section expoxidised    | x                                |                               | 5145.57.30     |
| Fire protection cartridge    | —                                | —                             | 5150.10.17     |
| FIT-IN installation kit      | —                                | —                             | 5170.10.40     |
| Formwork template for FIT-IN | —                                | —                             | 5170.10.50     |
| Top sections                 | x                                | x                             | See page 17    |

**Supplementary components for ACO WAL-SELECTA floor drains DN 50 and DN 70/80**

| Product   | Model                 | Art.-No.                 |   |
|---|-----------------------|--------------------------|---|
| Cast iron upper part<br>For sealing with two sealing membranes, compression-sealing flange, seepage openings and sealing ring                   | Coated<br>Exoxidised  | 5145.52.30<br>5145.57.30 |    |
| KOMBI odour seal with heat shield<br>Complete with sealing ring   | DN 50 and<br>DN 70/80 | 5128.10.15               |    |
| Fire protection cartridge<br>Fire resistance class R 30 to R 120, to provide fire protection in vertical floor drains with KOMBI odour seals    | DN 50 and<br>DN 70/80 | 5150.10.17<br>5170.10.17 |    |
| FIT-IN installation kit<br>Made of non-flammable material, construction material class A1, for mortarless installation in cored holes, Ø 225 mm | DN 50 and<br>DN 70/80 | 5170.10.40               |   |
| Formwork template<br>For FIT-IN installation kit  | DN 50 and<br>DN 70/80 | 5170.10.50               |  |
| Intermediate element<br>Cast iron, with seepage openings, with lateral inlet, with push socket DN 40, for connections 38 – 44 mm                | Coated<br>Exoxidised  | 5171.84.00<br>5171.85.00 |  |
| Rinsing device<br>Suitable for all DN 50 and DN 70/80 drains for connection to the rinsing pipe for pipe connections RP 3/8                     |                       | 5171.50.11               |  |

**Top sections for ACO WAL-SELECTA floor drains DN 50 and DN 70/80**

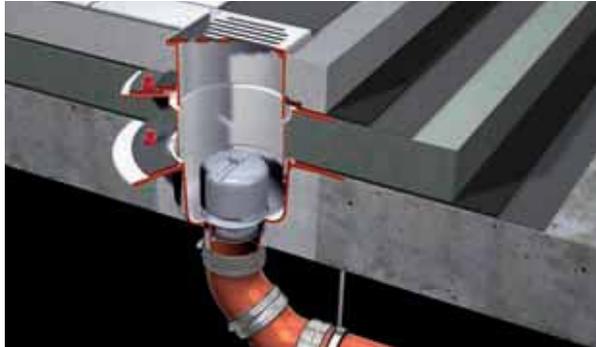
| Product  | Model                 | Art.-No.   |   |
|--|-----------------------|------------|---|
| MEKU top section<br>Frame dimensions □ 148 mm<br>Plastic top section<br>Stainless steel frame and slotted grating  | Screwed<br>Cl. K 3    | 5141.81.00 |    |
| PE top section<br>Frame dimensions Ø 148 mm<br>Plastic top section and frame<br>Stainless steel slotted grating  | Unscrewed<br>Cl. K 3  | 5141.87.00 |    |
| Cr-Ni top section<br>Frame dimensions □ 148 mm<br>Stainless steel top section and slotted grating  | Screwed<br>Cl. K 3    | 5141.89.00 |    |
| AV-SELECTA-PP top section for thin-bed<br>Frame dimensions □ 148 mm<br>Plastic top section,<br>with integrated thin-bed fleece webbing,<br>Stainless steel slotted grating and frame | Screwed<br>Cl. K 3    | 5141.91.00 |    |
| Cr-Ni top section<br>Frame dimensions □ 150 mm<br>Stainless steel top section and frame,<br>Stainless steel lattice grating  | Anti-slip<br>Cl. L 15 | 5141.92.00 |  |
| AV-SELECTA-PP top section for thin-bed<br>Frame dimensions □ 148 mm<br>Plastic top section,<br>with integrated thin-bed fleece webbing,<br>Stainless steel frame and lattice grating | Anti-slip<br>Cl. L 15 | 5141.97.00 |   |
| PVC top section<br>Frame dimensions □ 150 mm<br>PVC top section and frame,<br>Stainless steel slotted grating  | Unscrewed<br>Cl. K 3  | 5141.86.00 |  |
| Cr-Ni top section<br>Grating dimensions Ø 157 mm<br>Stainless steel top section and slotted grating<br>for connection to elastic floor coverings                                     | Screwed<br>Cl. K 3    | 5141.96.00 |  |

**Top sections and designer gratings for ACO WAL-SELECTA floor drains DN 50 and DN 70/80**

| Product   | Model                | Art.-No.                 |   |
|---|----------------------|--------------------------|---|
| Top section without grating<br>Frame dimensions □ 148 mm<br>Plastic top section suitable for all of the designer gratings shown below                         | Cl. K 3              | 5141.81.10               |    |
| Top section without grating<br>for thin-bed sealing<br>Frame dimensions □ 148 mm<br>Plastic top section suitable for all of the designer gratings shown below | Cl. K 3              | 5141.91.10               |    |
| Designer grating mondo  | Unscrewed<br>Screwed | 5141.08.21<br>5141.07.21 |    |
| Designer grating quadrato   | Unscrewed<br>Screwed | 5141.08.22<br>5141.07.22 |   |
| Designer grating linea  | Unscrewed<br>Screwed | 5141.08.23<br>5141.07.23 |  |
| Designer grating wellness   | Unscrewed<br>Screwed | 5141.08.24<br>5141.07.24 |  |
| Designer grating classic  | Unscrewed<br>Screwed | 5141.08.25<br>5141.07.25 |  |
| Designer grating arco   | Unscrewed<br>Screwed | 5141.08.26<br>5141.07.26 |  |
| Designer grating pop  | Unscrewed<br>Screwed | 5141.08.27<br>5141.07.27 |  |
| Designer grating wave   | Unscrewed<br>Screwed | 5141.08.28<br>5141.07.28 |  |

**ACO WAL-SELECTA floor drains, cast iron DN 100,  
with vertical outlet sockets (90°)**

- DN 100 drain body pursuant to DIN EN 1253
- cast iron, construction material class A1
- with seepage openings and earth connection
- recess dimensions 300 x 500 mm
- fire resistance class R 30 – R 120 for drains with vertical outlets combined with a fire protection kit DN 100
- weight approx. 16 kg



**No lateral inlet**

|  |                            |              |                  |              |                |
|--|----------------------------|--------------|------------------|--------------|----------------|
| <p>The diagram shows the model with a compression-sealing flange</p> | Flange                     | Odour seal   | Connection value | Model        | Article number |
|  | Adhesive flange            | With         | 2,0              | Coated       | 5086.10.00     |
|  |                            |              |                  | Epoxy-coated | 5086.60.00     |
|  |                            | Without      | 2,5              | Coated       | 5187.10.00     |
|  |                            |              |                  | Epoxy-coated | 5187.60.00     |
|  | Compression-sealing flange | With         | 2,0              | Coated       | 5087.10.00     |
| Epoxy-coated   |                            |              |                  | 5087.60.00   |                |
| Without  | 2,5                        | Coated       | 5187.20.00       |              |                |
|  |                            | Epoxy-coated | 5187.70.00       |              |                |

**With lateral inlet DN 40**

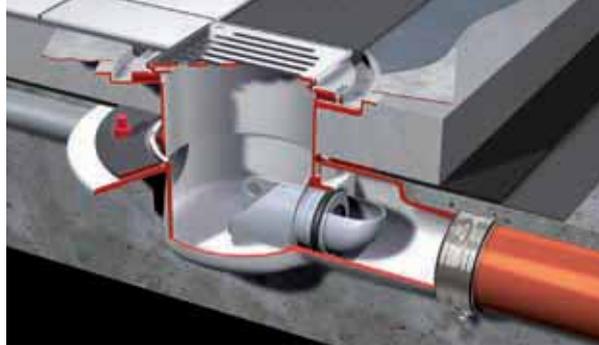
|  |                            |              |                  |              |                |
|--|----------------------------|--------------|------------------|--------------|----------------|
| <p>The diagram shows a model with a compression-sealing flange</p> | Flange                     | Odour seal   | Connection value | Model        | Article number |
|  | Adhesive flange            | With         | 2,0              | Coated       | 5086.14.00     |
|  |                            |              |                  | Epoxy-coated | 5086.64.00     |
|  |                            | Without      | 2,5              | Coated       | 5187.14.00     |
|  |                            |              |                  | Epoxy-coated | 5187.64.00     |
|  | Compression-sealing flange | With         | 2,0              | Coated       | 5087.14.00     |
| Epoxy-coated   |                            |              |                  | 5087.64.00   |                |
| Without  | 2,5                        | Coated       | 5187.24.00       |              |                |
|  |                            | Epoxy-coated | 5187.74.00       |              |                |

Selection assistant for supplementary components components (see page 21)

| Product                    | Drain body without lateral inlet | Drain body with lateral Inlet | Article number |
|----------------------------|----------------------------------|-------------------------------|----------------|
| Upper section coated       |                                  |                               | 5087.15.30     |
| Upper section expoxidised  | x                                | x                             | 5087.65.30     |
| Fire protection kit DN 100 | x                                | —                             | 5087.10.15     |
| FIT-IN installation kit    | x                                | —                             | 5087.10.40     |
| Top sections               | x                                | x                             | See page 22    |

**ACO WAL-SELECTA floor drains, cast iron DN 100,  
with horizontal outlet sockets (1.5°)**

- DN 100 drain body pursuant to DIN EN 1253
- cast iron, construction material class A1
- with seepage openings and earth connection
- recess dimensions 350 x 750 mm
- fire resistance class R 30 – R 120 for drains with lateral outlets combined with an odour seal and proper installation
- weight approx. 16 kg



**No lateral inlet**

|  |                            |            |                  |              |                |
|--|----------------------------|------------|------------------|--------------|----------------|
| <p>The diagram shows the model with a compression-sealing flange</p> | Flange                     | Odour seal | Connection value | Model        | Article number |
|  | Adhesive flange            | With       | 2,0              | Coated       | 5086.30.00     |
|  |                            |            |                  | Epoxy-coated | 5086.80.00     |
|  |                            | Without    | 2,5              | Coated       | 5187.31.00     |
|  |                            |            |                  | Epoxy-coated | 5187.81.00     |
|  | Compression-sealing flange | With       | 2,0              | Coated       | 5086.40.00     |
|  |                            |            |                  | Epoxy-coated | 5086.90.00     |
|  |                            | Without    | 2,5              | Coated       | 5187.41.00     |
| Epoxy-coated   |                            |            |                  | 5187.91.00   |                |

**Mit seitlichem Zulauf DN 40**

|  |                            |            |                  |              |                |
|--|----------------------------|------------|------------------|--------------|----------------|
| <p>The diagram shows the model with a compression-sealing flange</p> | Flange                     | Odour seal | Connection value | Model        | Article number |
|  | Adhesive flange            | With       | 2,0              | Coated       | 5086.34.00     |
|  |                            |            |                  | Epoxy-coated | 5086.84.00     |
|  |                            | Without    | 2,5              | Coated       | 5187.34.00     |
|  |                            |            |                  | Epoxy-coated | 5187.84.00     |
|  | Compression-sealing flange | With       | 2,0              | Coated       | 5086.44.00     |
|  |                            |            |                  | Epoxy-coated | 5086.94.00     |
|  |                            | Without    | 2,5              | Coated       | 5187.44.00     |
| Epoxy-coated   |                            |            |                  | 5187.94.00   |                |

Selection assistant for supplementary components components (see page 21)

| Product                    | Drain body without lateral inlet | Drain body with lateral Inlet | Article number |
|----------------------------|----------------------------------|-------------------------------|----------------|
| Upper section coated       |                                  |                               | 5087.15.30     |
| Upper section expoxidised  | x                                | x                             | 5087.65.30     |
| Fire protection kit DN 100 | —                                | —                             | 5087.10.15     |
| FIT-IN installation kit    | —                                | —                             | 5087.10.40     |
| Top sections               | x                                | x                             | See page 22    |

**Supplementary components for ACO WAL-SELECTA floor drains DN 100**

| Product  | Model                          | Art.-No.                         |   |
|--|--------------------------------|----------------------------------|---|
| <p>Cast iron upper part<br/>For sealing with two sealing membranes, with compression-sealing flange, seepage openings and sealing ring</p>   | <p>Coated<br/>Epoxy-coated</p> | <p>5087.15.30<br/>5087.65.30</p> |    |
| <p>Push-fit odour seal<br/>Complete with roller ring for DN 100 drain,<br/>Outlet gradient 1.5 °</p>   |                                | <p>5086.30.15</p>                |    |
| <p>Bell odour seal<br/>Complete with roller ring for DN 100 drain<br/>Outlet gradient 90°</p>  |                                | <p>5086.10.15</p>                |    |
| <p>WAL-SELECTA fire protection kit DN 100<br/>Fire resistance class R 30 – R 120, fire and smoke trap for retrofitting and upgrading to fire protection standard in DN 100 vertical drains with 90° outlet gradients. Consisting of a fire protection bell odour seal with a fire protection cartridge</p> |                                | <p>5087.10.15</p>                |   |
| <p>FIT-IN installation kit<br/>Made of non-flammable construction material, class A1, for mortarless installation in Ø 350 mm core holes</p>   |                                | <p>5087.10.40</p>                |  |

**Top sections for ACO WAL-SELECTA floor drains DN 100**

| Product  | Model   | Art.-No.                 |   |
|--|---|--------------------------|---|
| MEKU top section<br>Frame dimensions □ 196 mm<br>Plastic top section<br>Stainless steel frame and slotted grating  | Screwed<br>Cl. K 3                              | 5084.81.00               |    |
| PE top section<br>Frame dimensions □ 198 mm<br>Plastic top section and frame<br>Stainless steel slotted grating  | Unscrewed<br>Cl. K 3                            | 5084.87.00               |    |
| Cr-Ni top section<br>Frame dimensions □ 196 mm<br>Stainless steel top section,<br>frame and slotted grating  | Screwed<br>Cl. K 3                              | 5084.89.00               |    |
| AV-SELECTA-PP top section for thin-bed<br>Frame dimensions □ 196 mm<br>Plastic top section,<br>with integrated thin-bed fleece webbing,<br>Stainless steel slotted grating and frame | Screwed<br>Cl. K 3                              | 5084.91.00               |   |
| Cr-Ni top section<br>Frame dimensions □ 200 mm<br>Stainless steel top section and frame,<br>Stainless steel lattice grating  | Anti-slip<br>Cl. L 15<br>Anti-slip<br>Cl. M 125 | 5084.92.00<br>5084.93.00 |  |
| AV-SELECTA-PP top section for thin-bed<br>Frame dimensions □ 194 mm<br>Plastic top section,<br>with integrated thin-bed fleece webbing,<br>Stainless steel frame and lattice grating | Anti-slip<br>Cl. L 15                           | 5084.97.00               |  |
| PE top section<br>Frame dimensions □ 148 mm<br>PE top section and frame,<br>Stainless steel slotted grating  | Screwed<br>Cl. K 3                              | 5084.71.00               |  |



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