



ACO DRAIN® ParkDeck - drainage
for multi-level parking buildings
and underground garages

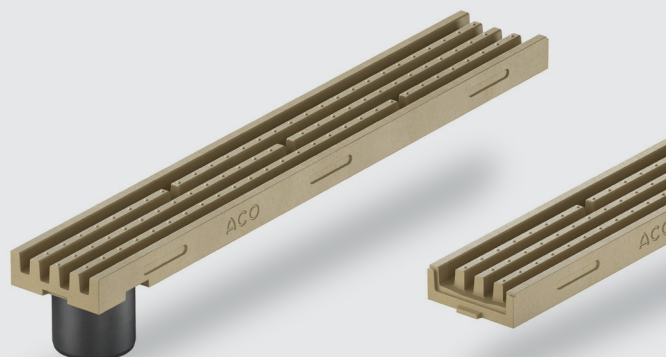


ACO DRAIN® ParkDeck channels

These channels have been developed specially for the drainage of multi-level parking buildings and underground garages. Channels are made according to EN1433, load class A15 - C250, completely made of ACO polymer concrete or high grade stainless steel that is frost, salt and chemicals resistant.

ACO DRAIN® Multislot 150

Monolithic low comb channel



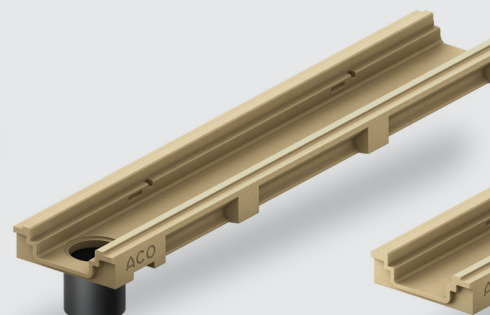
ACO DRAIN® Deckline P

Parking houses and underground garages channel



ACO DRAIN® Deckline P OS

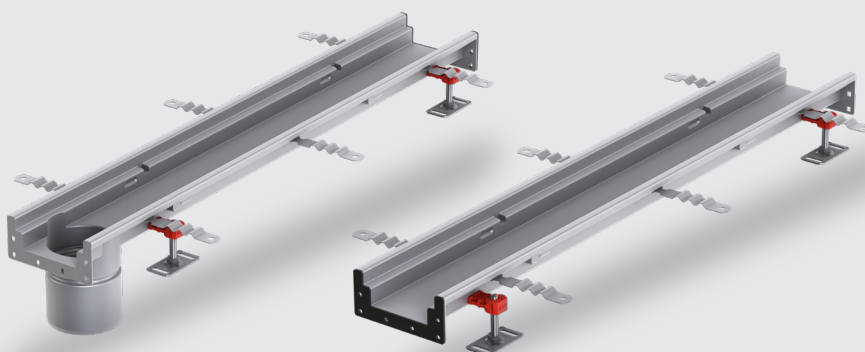
Parking houses and underground garages channel



NEW!

ACO DRAIN® Deckline E100

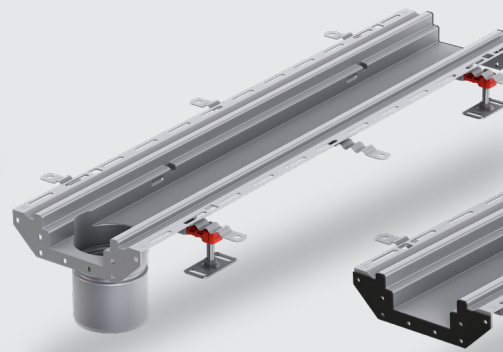
Finest solution with stainless steel channel for final concrete layer with bottom insulation

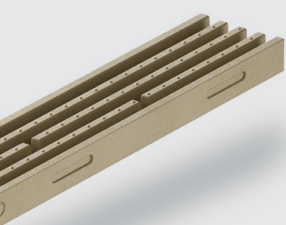


NEW!

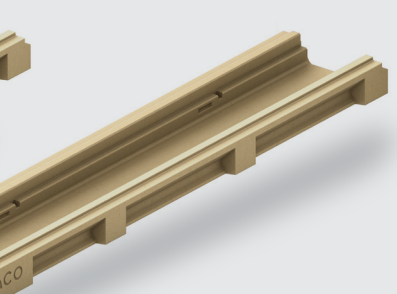
ACO DRAIN® Deckline E100 C

Finest solution with stainless steel channel for



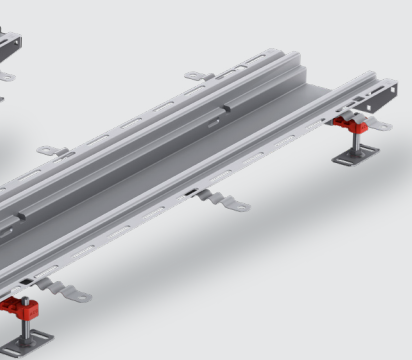


channel with extended edge



OS

for concrete floor with final resin coating



Note

Any more questions?
askACO – your local
ACO team is proud to offer
experience and service

[www.aco.com/en/
products-and-services/askaco](http://www.aco.com/en/products-and-services/askaco)

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ACO. we care for water

ACO is a Water-Tech company that protects water. Building on our global drainage expertise that protects people from water, we increasingly see our mission as also protecting water from people.

With the ACO WaterCycle, ACO provides systems that collect and channel, clean, retain and ultimately reuse water. In this way, ACO contributes to the preservation of clean groundwater as a vital resource, and makes a contribution to tomorrow's world. In its Agenda 2030, the UN global community set the improvement of water quality as one of 17 sustainable development goals.

Intelligent drainage systems from ACO increasingly use smart technology to ensure that rainwater and wastewater are drained, or temporarily stored. With innovative separation and filter technology, we prevent water contamination by pollutants such as fat and grease, fuels, heavy metals and microplastics.

Today, ACO goes one step further: we accept the challenge of reusing water, and thus establishing a resource-saving cycle. For all products and systems, ACO attaches great importance to durability, reusability and a low carbon footprint. The pursuit of sustainability is an ongoing process that we strive to meet every day.

The ACO Group is a global family business that is one of the world market leaders in the Water-Tech segment. Founded in Schleswig-Holstein in 1946, it operates as a transnational network in over 50 countries. Worldwide, ACO is characterised by a high level of decentralised ownership, and explicit regional market proximity.

www.aco.com



Holder
Iver and Hans-Julius Ahlmann



Headquarters of the ACO Group
in Rendsburg/Büdelstorf



5.400

employees in more than
50 countries (Europe, North
and South America, Asia,
Australia, Africa)

1.14 Billion

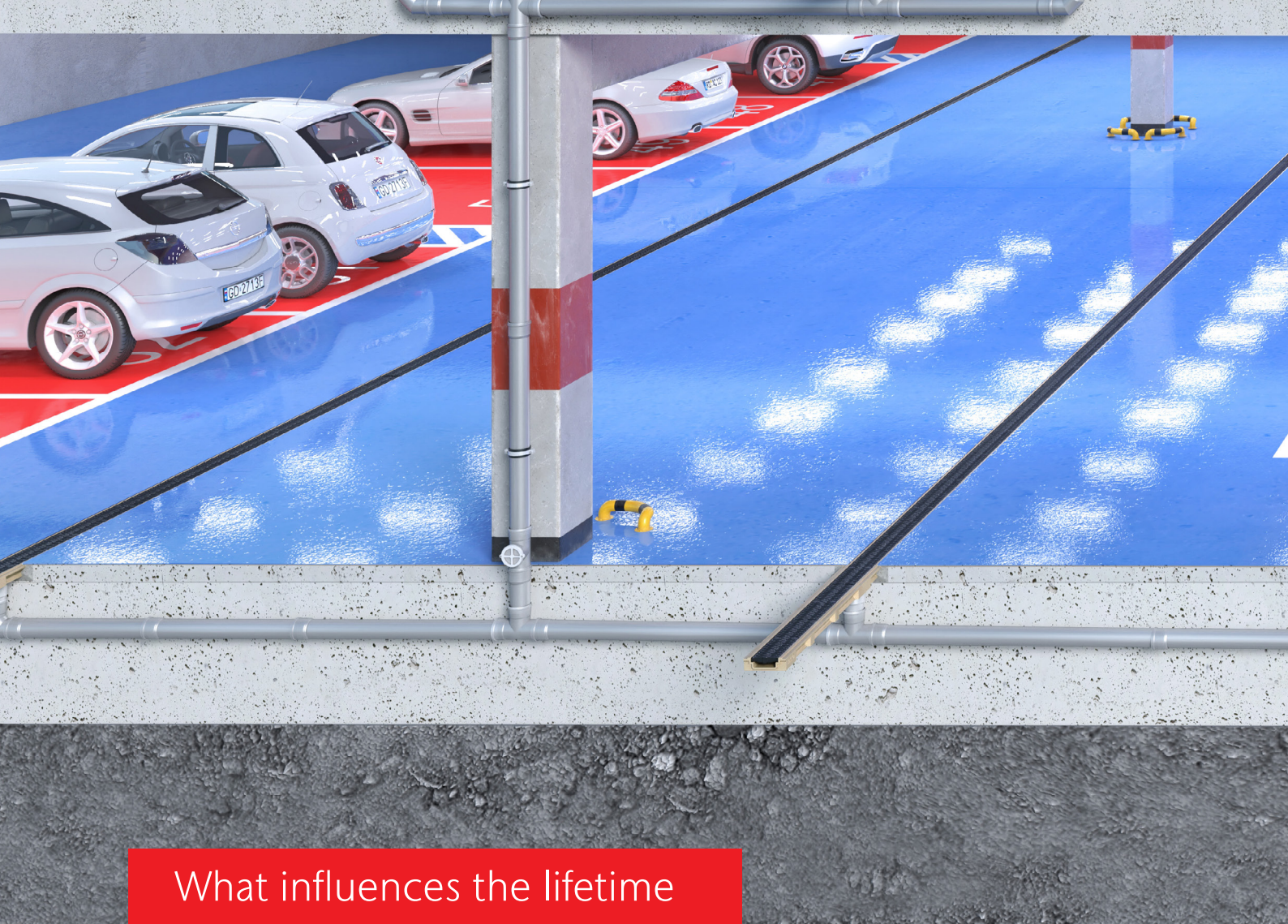
Euro Sales in 2023

41

production sites
in 20 countries



ACO Academy
for practical training



What influences the lifetime of drainage in parkdecks?

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Water in parking buildings usually comes from dripping water and melting snow from cars. The incidental amount depends on traffic frequency, season and length of the driveway or entrance to the building. The drainage system needs to collect this water which can be contaminated with petrol, oil, and – most important – de-icing salt. Unlike outside, where rain can sweep away these salts, inside the building it remains in the drainage channel after the water evaporates. To prevent early corrosion, ACO DRAIN® Parkdeck channels are made from only highly resistant materials. Suitable gratings if needed are made from galvanized steel or stainless steel. For the lifetime of the building ACO strongly recommends exclusively using run-off drainage systems channels like Multislot 150 and Deckline range which are designed for easy maintenance and cleaning in parking facilities.



What are the key factors of effective parkdeck drainage?

Areas such as parkdecks are usually associated with different types of buildings, e.g. shopping centers, offices, public facilities or residential buildings. Multi-level parking areas come with specific characteristics and specific requirements due to their construction, such as:

Water tightness:

Water from leaking drainage systems can seriously damage the building structure. Only 100% water tight systems are suitable for parking buildings.

Installation height:

Shallow slab constructions require drainage systems with a shallow maximum installation height.

Dynamic forces:

Turning or accelerating wheels and a high traffic frequency cause immense dynamic forces. Load classes up to C250 and it must be proven that the products are durable and robust enough for this challenging environment.

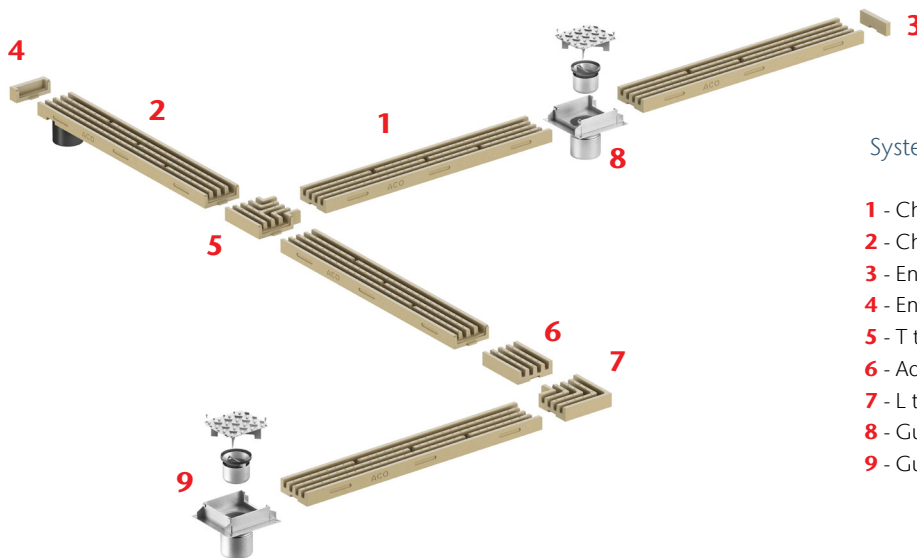
Zero Aggressive conditions:

Emulsions of water with dirt, oil and de-icing salt require resistant materials to avoid corrosion or early wearing.



ACO DRAIN® Multislot 150

Monolithic low
comb channel



System components

- 1 - Channel
- 2 - Channel with outlet
- 3 - End cap - beginning of the channel
- 4 - End cap - end of the channel
- 5 - T type connection
- 6 - Adapter
- 7 - L type connection
- 8 - Gully including cover and FAT
- 9 - Gully end including cover and FAT

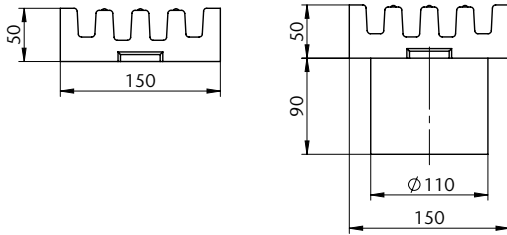
Typical applications

- Underground car garages
- Underground multi-level car parks
- Shall be used mostly for evaporation of water in garages

Product benefits:

- Polymer concrete system, easy to seal
- Corrosion resistant system
- Fast and easy assembly
- No moving parts that can cause noise
- Recommended solution for concrete and asphalt surfaces
- Low height with minimum impact to the floor structure
- ACO SF safety groove at both ends to make channels 100% watertight
- Lighter solution than other polymer concrete channels
- Line shape variations made by using different kind of accessories connections
- Could be cut on demand to required shapes
- Easy to clean using common accessories
- Friendly for wheelchairs and bicycles



Multislot 150








Product information







- Maximum load class: C 250
- Channel material: polymer concrete
- Channel profile - comb
- Channel type: no slope
- Edges: Polymer concrete
- Certificated by EN1433
- Channel height: 50 mm

Multislot channel

		Dimensions					
Product		Length	Width	Height	Weight	PU	Item no.
		mm	mm	mm	kg	pcs./pallet	natural
	Multislot channel	1000	150	50	12,30	40	135213
	Multislot channel with outlet	1000	150	50	12,10	40	135214

Accessories

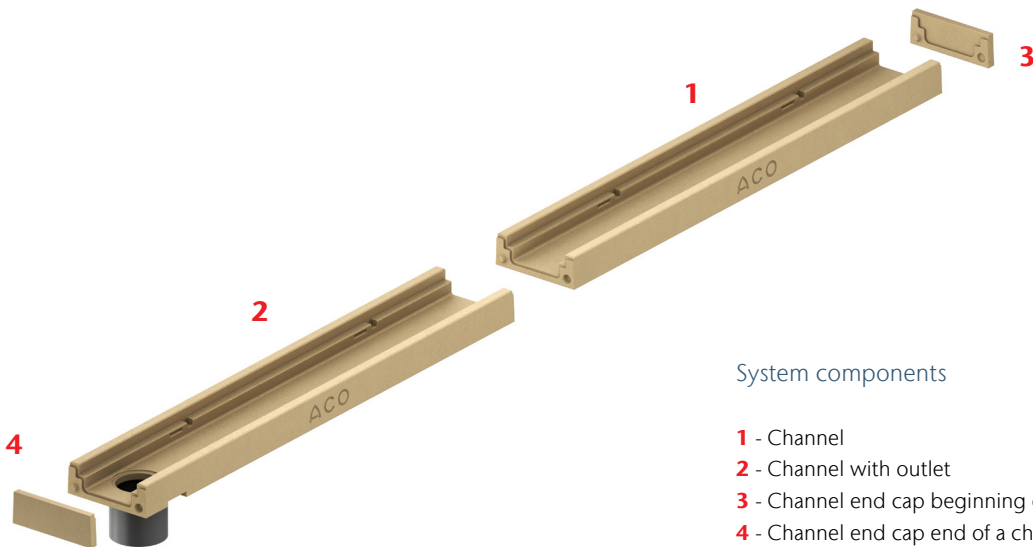
		Dimensions					
Product		Length	Width	Height	Weight	PU	Item no.
		mm	mm	mm	kg	pcs./pallet	natural
	Multislot end cap beginning of the channel	20	150	50	0,35	20	135215
	Multislot end cap end of the channel	40	150	50	0,51	20	135216
	Multislot L type connection element	200	200	50	3,00	45	135226
	Multislot T type connection element	200	200	50	2,90	45	135227
	Multislot adapter to change laying direction	200	150	50	2,50	54	135228

	Product	Dimensions					PU	Item no.
		Length	Width	Height	Weight			
		mm	mm	mm	kg	pcs./pallet		natural
	Multislot 150 gully including cover and FAT	215	215	179	2,90	30		449195
	Multislot 150 gully end including cover and FAT	215	215	179	3,00	30		449196
	Multislot 150 installation cover, t=1	1000	150	25,7	1,80	100		449197
	Multifix 1 - galvanized steel	100	310	331	1,50	100		448753*
	Multifix 1 - stainless steel	100	310	331	1,81	100		447813*
	EG raising piece with double clam. flange DN100	360	360	250	4,00	40		01043
	Polyester bonding compound				0,90	10		02163



ACO DRAIN® Deckline P

Shallow channel for multi-level parking buildings and underground garages



System components

- 1 - Channel
- 2 - Channel with outlet
- 3 - Channel end cap beginning of the channel
- 4 - Channel end cap end of a channel

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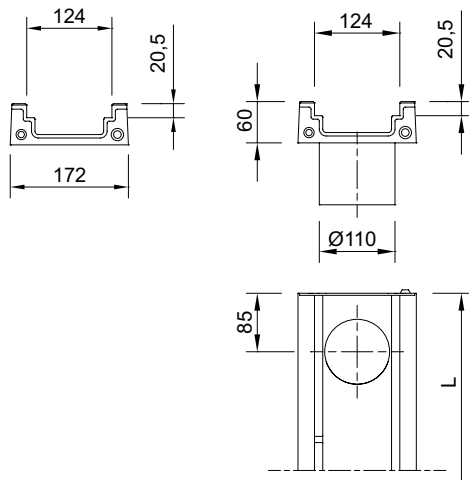
Typical applications

- Underground car garages
- Parking houses and multi-level car parks

Product benefits:

- Polymer concrete system, easy to seal
- Corrosion resistant system with no steel parts
- Easy assembly
- Recommended solution for concrete surfaces
- Low height with minimum impact to floor structure
- ACO SF safety groove at both ends to make channels 100% watertight
- Connected with Drainlock system grating for easy assembly and disassembly
- Pre-treated adhesive surface for 100% watertight bonding and bond strength

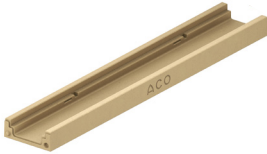

Deckline P100



Product information




- Channel material and edges: polymer concrete
- Channel type: no slope
- Maximum load class: C250
- Certificated EN1433
- Channel height 60 mm







Deckline P100

		Dimensions						Item no.
		Length	Width NW/100	Width	Height	Weight	PU	
Product		mm	mm	mm	mm	kg	pcs./pallet	
	Deckline P100	1000	100	172	60	12,10	40	135070
	Deckline P100 with outlet	1000	100	172	60	11,70	20	135071

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Accessories

	Deckline P100 end caps beginning / end of the channel	20		172	60	0,40	24	135076
	Deckline P100 end caps with pipe DN 50 Stainless steel 1.4301	42		175	75	0,24	105	449188
	Deckline P100 end caps with pipe DN 50 Galvanized steel 1.3007	42		175	75	0,23	105	449189

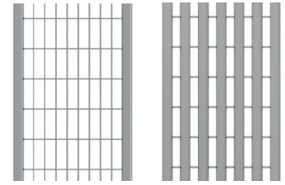
	Product	Dimensions				PU pcs./pallet	Item no.
		Length	Width	Height	Weight		
		mm	mm	mm	kg		
	EG raising piece with double clam. flange DN 100	360	360	250	4,00	40	01043
	FAT for Deckline P	73	80	87	0,30	100	445989
	ACO DRAIN® Silt basket for Deckline	74	74	76	0,22	20	451413
	Sieve for Deckline P		90	4	0,11	25	445988
	Multifix 1 - galvanized steel	100	310	331	1,50	100	448753*
	Multifix 1 - stainless steel	100	310	331	1,81	100	447813*
	Multifix 2 - galvanized steel	100	360	331	1,66	100	448754*
	Multifix 2 - stainless steel	100	360	331	1,97	100	447814*
	Polyester bonding compound				0,90	10	02163

*Installation recommendations for Multifix 1, Multifix 2 and Multifix 3 to be found on page 36 and 37

Gratings

Load class B 125

- Gratings certified to EN 1433
- With integrated Drainlock locking



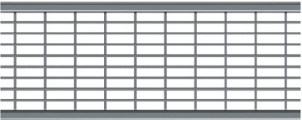
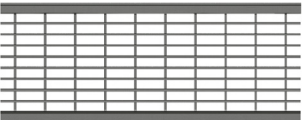
Gratings

		Dimensions			Intake area	Weight	PU	Item no.
		Length	Width	Inlet opening measurement				
		mm	mm	mm		kg	pcs./pallet	
	Mesh grate Q+ - Galvanized steel	1000	123	30 x 10	845	3,13	150	132560
		500	123	30 x 10	845	1,60	100	132561
	Mesh grate Q+ - Stainless steel 1.4301	1000	123	30 x 10	845	3,20	100	132559
		500	123	30 x 10	845	1,60	100	132542
	Mesh grate Q+ - Stainless steel 1.4404	1000	123	30 x 10	845	3,20	100	450024
		500	123	30 x 10	845	1,60	100	450025
	Linear U-profile grate - Galvanized steel	1000	123	8	430	4,80	100	132555
		500	123	8	430	1,90	100	132550
	Linear U-profile grate - Stainless steel	1000	123	8	430	4,80	100	132556
		500	123	8	430	1,93	100	132551
	Linear triangle grate - Stainless steel	1000	123	6	465	3,85	100	132557
		500	123	6	465	1,74	100	132552
	Q+ Mesh grate grey - Painted	1000	123	30 x 10	845	3,20	100	449282
		500	123	30 x 10	845	1,60	100	449283



Load class C 250

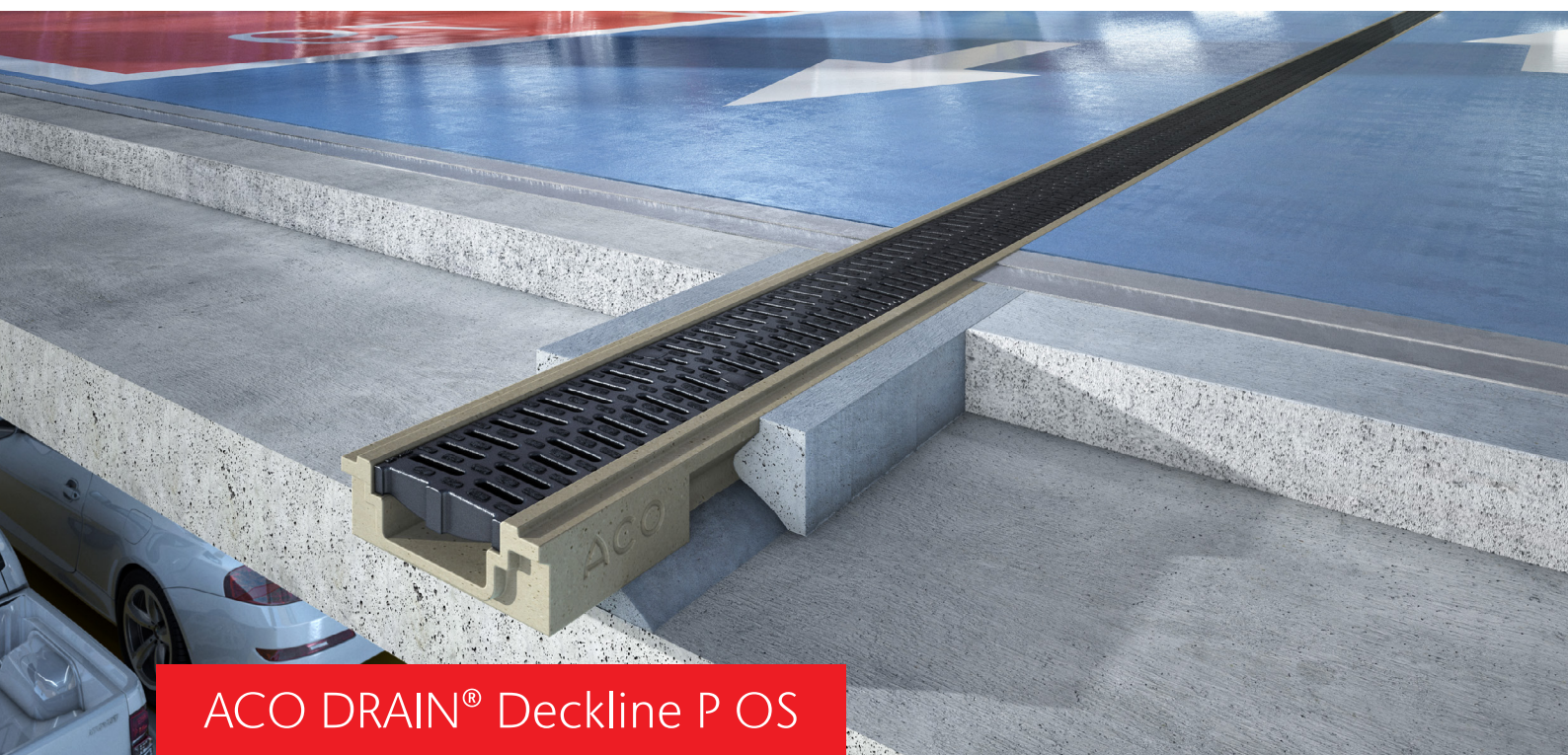
- Gratings certified to EN 1433
- With integrated Drainlock locking

**Gratings**

		Dimensions						Item no.
		Length	Width	Inlet opening measurement	Intake area	Weight	PU	
		mm	mm	mm		kg	pcs./pallet	
	Mesh grate Q+	1000	123	30 x 10	800	4,14	100	132880
	- Galvanized steel	500	123	30 x 10	800	2,06	100	132881
	Mesh grate Q+	1000	123	30 x 10	800	4,18	100	132882
	- Stainless steel 1.4301	500	123	30 x 10	800	2,00	100	132883
	Mesh grate Q+	1000	123	30 x 10	800	4,18	100	450026
	- Stainless steel 1.4404	500	123	30 x 10	800	2,00	100	450027
	Q+ Mesh grate grey - Painted	1000	123	30 x 10	800	4,20	100	449284
		500	123	30 x 10	800	2,10	100	449285

Grating accessories

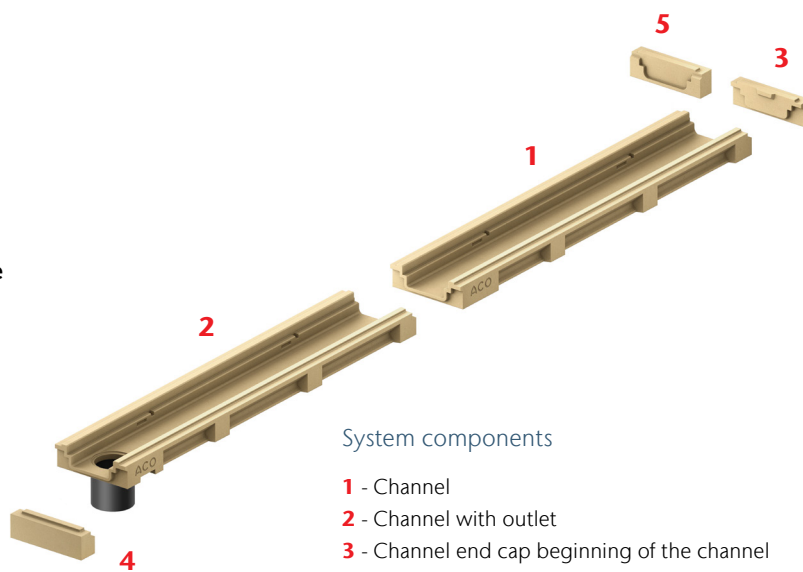
	Description	Suitable for	Weight	PU	Item no.
			kg	pcs./pallet	
	Cover grating hook <ul style="list-style-type: none"> ■ For lifting cover gratings ■ Galvanised steel 	<ul style="list-style-type: none"> ■ Cover gratings 	0,3	200	01290
	Cover grating hook, small <ul style="list-style-type: none"> ■ For lifting cover gratings ■ Steel, black lacquered 	<ul style="list-style-type: none"> ■ Grid Q+ ■ Composite ■ U-profiles ■ Triangle profiles 	0,25	200	01367



ACO DRAIN® Deckline P OS

Shallow channel for multi-level parking buildings and underground garages

Parking deck drainage - ACO DRAIN® Deckline P OS is designed for parking areas, intended for garages and parking decks with surface coatings such as epoxy resin. The polymer concrete channel with an all-round coating flange and low construction height meets the special requirements for garages and parking decks.



System components

- 1 - Channel
- 2 - Channel with outlet
- 3 - Channel end cap beginning of the channel
- 4 - Channel end cap end of a channel
- 5 - Channel end cap for cut-off channels

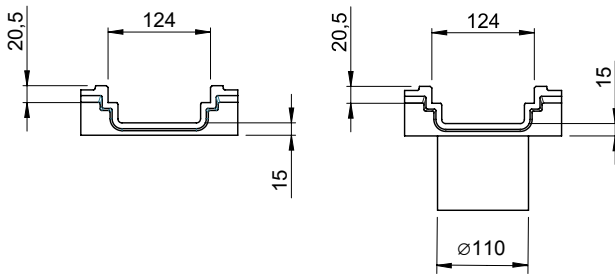
Typical applications

- Underground car garages
- Parking houses and multi-level car parks

Product benefits:

- Polymer concrete system, easy to seal
- Corrosion resistant system with no steel parts, flange from polymer concrete
- Easy assembly
- Recommended solution for concrete surfaces
- Low height with minimum impact to floor structure
- ACO SF safety groove at both ends to make channels 100% watertight
- Connected with Drainlock system grating for easy assembly and disassembly
- Pre-treated adhesive surface for 100% watertight bonding and bond strength



Deckline P100 OS






Product information







- Channel material and edges: polymer concrete
- Channel type: no slope
- Maximum load class: C250
- Certificated EN1433
- Channel height 60 mm
- Continuous linear polymer concrete flange for secure connection of waterproof insulation layer to the channel.

Deckline P100 OS

		Dimensions						Item no.
Product		Length	Width NW/100	Width	Height	Weight	PU	
		mm	mm	mm	mm	kg	pcs./pallet	
	Deckline P100 OS	1000	100	172	60	11,08	40	447756
	Deckline P100 OS with outlet	1000	100	172	60	11,60	32	4474757

Accessories

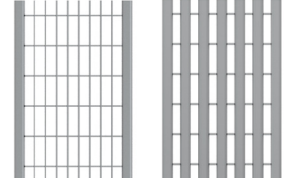
	Deckline P100 OS end caps beginning of the channel	40	100	172	60	0,76	24	447758
	Deckline P100 OS end caps end of the channel	40	100	172	60	0,95	24	447759
	Deckline P100 OS end caps for trimming	40	100	172	60	0,90	24	447760

		Dimensions					Item no.
		Length	Width	Height	Weight	PU	
Product		mm	mm	mm	kg	pcs./pallet	
	EG raising piece with double clam. flange DN 100	360	360	250	4,00	40	01043
	FAT for Deckline P	73	80	87	0,30	100	445989
	ACO DRAIN® Silt basket for Deckline	74	74	76	0,22	20	451413
	Sieve for Deckline P		90	4	0,11	25	445988
	Multifix 1 - galvanized steel	100	310	331	1,50	100	448753*
	Multifix 1 - stainless steel	100	310	331	1,81	100	447813*
	Multifix 2 - galvanized steel	100	360	331	1,66	100	448754*
	Multifix 2 - stainless steel	100	360	331	1,97	100	447814*
	Polyester bonding compound				0,90	10	02163

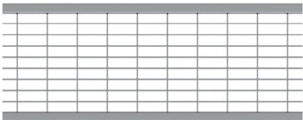

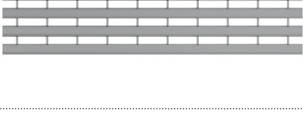
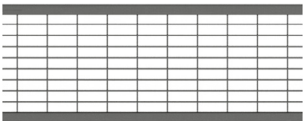
Gratings

Load class B 125

- Gratings certified to EN 1433
- With integrated Drainlock locking



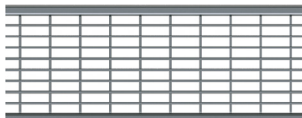
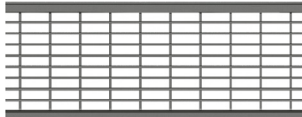
Gratings

		Dimensions						Item no.
		Length	Width	Inlet opening measurement	Intake area	Weight	PU pcs./pallet	
Product	mm	mm	mm		kg			
	Mesh grate Q+ - Galvanized steel	1000	123	30 x 10	845	3,13	150	132560
		500	123	30 x 10	845	1,60	100	132561
	Mesh grate Q+ - Stainless steel 1.4301	1000	123	30 x 10	845	3,20	100	132559
		500	123	30 x 10	845	1,60	100	132542
	Mesh grate Q+ - Stainless steel 1.4404	1000	123	30 x 10	845	3,20	100	450024
		500	123	30 x 10	845	1,60	100	450025
	Linear U-profile grate - Galvanized steel	1000	123	8	430	4,80	100	132555
		500	123	8	430	1,90	100	132550
	Linear U-profile grate - Stainless steel	1000	123	8	430	4,80	100	132556
		500	123	8	430	1,93	100	132551
	Linear triangle grate - Stainless steel	1000	123	6	465	3,85	100	132557
			500	123	6	465	1,74	100
	Q+ Mesh grate grey - Painted	1000	123	30 x 10	845	3,20	100	449282
		500	123	30 x 10	845	1,60	100	449283



Load class C 250

- Gratings certified to EN 1433
- With integrated Drainlock locking

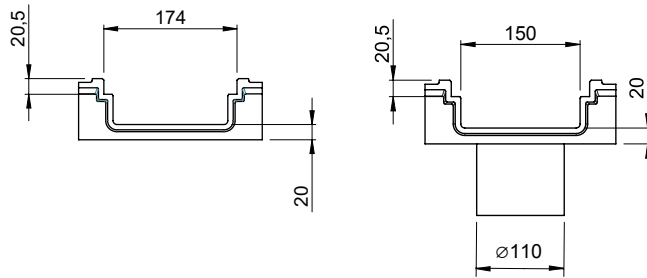
**Gratings**

		Dimensions						Item no.
		Length	Width	Inlet opening measurement	Intake area	Weight	PU	
Product		mm	mm	mm		kg	pcs./pallet	
	Mesh grate Q+ - Galvanized steel	1000	123	30 x 10	800	4,14	100	132880
		500	123	30 x 10	800	2,06	100	132881
	Mesh grate Q+ - Stainless steel 1.4301	1000	123	30 x 10	800	4,18	100	132882
		500	123	30 x 10	800	2,00	100	132883
	Mesh grate Q+ - Stainless steel 1.4404	1000	123	30 x 10	800	4,18	100	450026
		500	123	30 x 10	800	2,00	100	450027
	Q+ Mesh grate grey - Painted	1000	123	30 x 10	800	4,20	100	449284
		500	123	30 x 10	800	2,10	100	449285

Grating accessories

Description	Suitable for	Weight	PU	Item no.
		kg	pcs./pallet	
 Cover grating hook <ul style="list-style-type: none"> ■ For lifting cover gratings ■ Galvanised steel 	<ul style="list-style-type: none"> ■ Cover gratings 	0,3	200	01290
 Cover grating hook, small <ul style="list-style-type: none"> ■ For lifting cover gratings ■ Steel, black lacquered 	<ul style="list-style-type: none"> ■ Grid Q+ ■ Composite ■ U-profiles ■ Triangle profiles 	0,25	200	01367



Deckline P150 OS






Product information







- Channel material and edges: polymer concrete
- Channel type: no slope
- Maximum load class: C250
- Certificated EN1433
- Channel height 60 mm
- Continuous linear polymer concrete flange for secure connection of waterproof insulation layer to the channel.

Deckline P150 OS



Product	Dimensions						PU	Item no.
	Length	Width NW/100	Width	Height	Weight			
	mm	mm	mm	mm	kg	pcs./pallet		
	Deckline P150 OS	1000	150	225	80	18,20	24	447874
	Deckline P150 OS with outlet	1000	150	225	80	17,90	21	447875

Accessories

 Deckline P150 end caps beginning of the channel	40	150	225	80	1,30	96		447876
 Deckline P150 end caps end of the channel	40	150	225	80	1,60	96		447877
 Deckline P150 end caps for trimming	40	150	225	80	1,60	96		447878

	Product	Dimensions					PU	Item no.
		Length	Width	Height	Weight			
		mm	mm	mm	kg	pcs./pallet		
	EG raising piece with double clam. flange DN 100	360	360	250	4,00	40		01043
	FAT for Deckline P	73	80	87	0,30	100		445989
	ACO DRAIN® Silt basket for vertical outlet D110	125	88	76	0,29	55		132378
	Sieve for Deckline P		90	4	0,11	25		445988
	Multifix 3 - galvanized steel	100	410	331	2,13	100		448755*
	Multifix 3 - stainless steel	100	410	331	1,83	100		447815*
	Polyester bonding compound				0,90	10		02163

Grating accessories

	Description	Suitable for	Weight	PU	Item no.
			kg	pcs./pallet	
	Cover grating hook ■ For lifting cover gratings ■ Galvanised steel	■ Cover gratings	0,3	200	01290
	Cover grating hook, small ■ For lifting cover gratings ■ Steel, black lacquered	■ Grid Q+ ■ Composite ■ U-profiles ■ Triangle profiles	0,25	200	01367

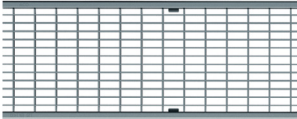
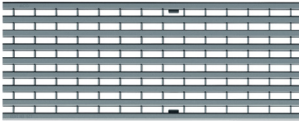


*Installation recommendations for Multifix 1, Multifix 2 and Multifix 3 to be found on page 36 and 37

Gratings

Load class B 125

- Gratings certified to EN 1433
- With integrated Drainlock locking

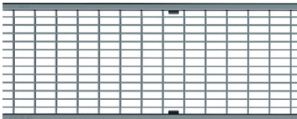
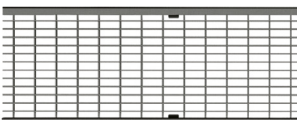
Gratings

		Dimensions			Intake area	Weight	PU	Item no.
		Length	Width	Inlet opening measurement				
		mm	mm	mm		kg	pcs./pallet	
	Mesh grate Q+ - Galvanized steel	1000	173	30 x 10	1182	5,40	100	133601
		500	173	30 x 10	1182	2,70	50	133602
	Mesh grate Q+ - Stainless steel 1.4301	1000	173	30 x 10	1182	5,30	100	133603
		500	173	30 x 10	1182	2,70	50	133604
	Mesh grate Q+ - Stainless steel 1.4404	1000	173	30 x 10	1182	5,30	100	450070
		500	173	30 x 10	1182	2,70	50	450071
	Linear U-profile grate - Galvanized steel	1000	173	9	687	5,10	100	133625
		500	173	9	687	2,50	100	133626
	Linear U-profile grate - Stainless steel	1000	173	9	687	5,10	100	133627
		500	173	9	687	2,60	100	133628
	Linear triangle grate - Stainless steel	1000	173	6	668	6,40	48	133633
		500	173	6	668	3,10	24	133634
	Q+ Mesh grate grey - Painted	1000	173	30 x 10	668	5,50	50	449286
		500	173	30 x 10	668	2,80	50	449287

Load class C 250

- Gratings certified to EN 1433
- With integrated Drainlock locking

Gratings

	Mesh grate Q+ - Galvanized steel	1000	173	30 x 10	1182	5,70	100	133605
		500	173	30 x 10	1182	2,80	50	133606
	Mesh grate Q+ - Stainless steel 1.4301	1000	173	30 x 10	1182	5,70	100	133607
		500	173	30 x 10	1182	2,90	50	133608
	Mesh grate Q+ - Stainless steel 1.4404	1000	173	30 x 10	1182	5,70	100	450072
		500	173	30 x 10	1182	2,90	50	450073
	Q+ Mesh grate grey - Painted	1000	173	30 x 10	668	5,70	50	448804
		500	173	30 x 10	668	2,80	50	448805

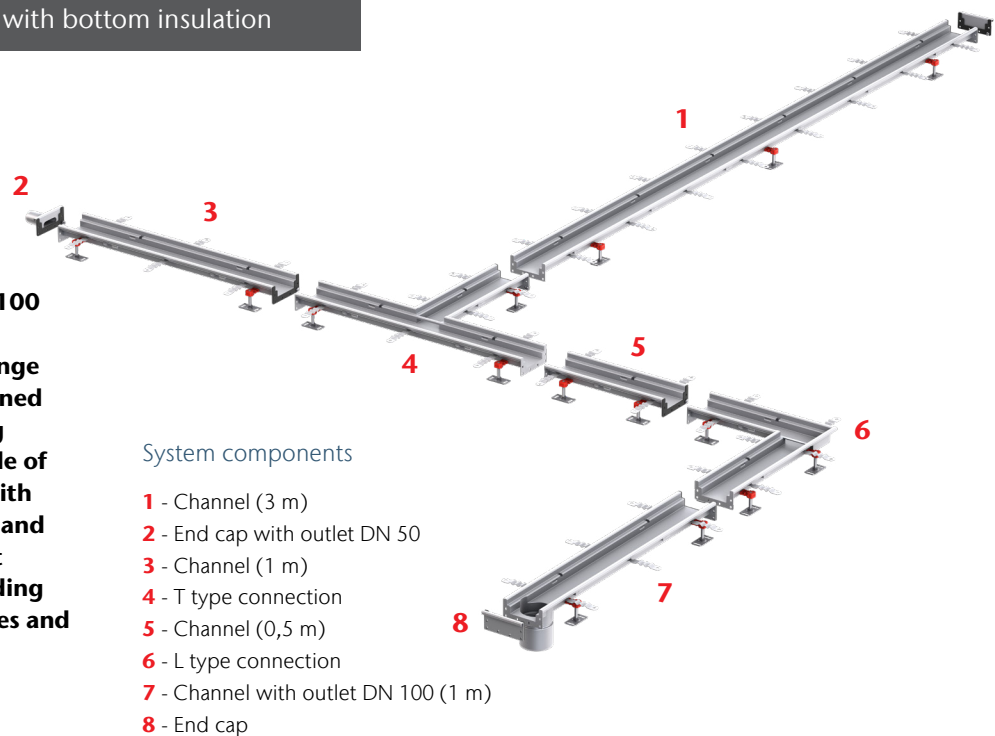


ACO DRAIN® Deckline E100

Finest solution with stainless steel channel for final concrete layer with bottom insulation

NEW!

ACO DRAIN® Deckline E100 is one of the two latest additions to the ACO range for parking areas, designed for garages and parking decks. The channel made of stainless steel 1.4404 with a proven sealing flange and low construction height meets the most demanding requirements for garages and parking decks.



System components

- 1 - Channel (3 m)
- 2 - End cap with outlet DN 50
- 3 - Channel (1 m)
- 4 - T type connection
- 5 - Channel (0,5 m)
- 6 - L type connection
- 7 - Channel with outlet DN 100 (1 m)
- 8 - End cap

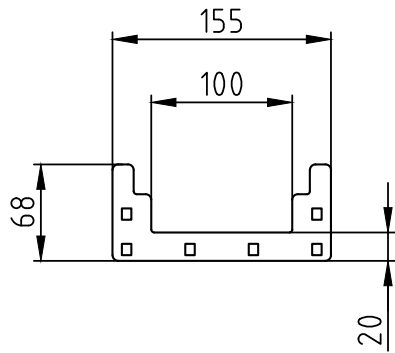
Typical applications

- Underground car garages
- Parking houses and multi-level car parks
- Application of the channel in the lowest installation height

Product benefits:

- Shallowest, 100% watertight system made of stainless steel 1.4404
- Easyfix® leveling feet for quick fine leveling
- Simple assembly using a proven ACO modular system with EPDM sealing
- Recommended solution for concrete surfaces
- Low height with minimal impact on floor structure
- Seamless channel profile without gaps prevent accumulation of salts and other debris
- Fully compatible with the unique Drainlock® grating system
- Precise visible aesthetic edge




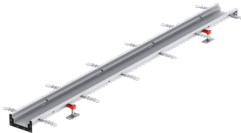

Deckline E100



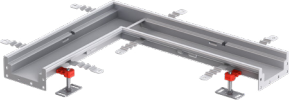
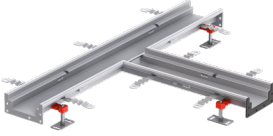







Product information

- Channel material and edges: stainless steel 1.4404
- Channel type: no slope
- Maximum load class: C250
- Certified according to EN1433
- Channel height 50 mm
- EPDM sealing with a proven modular system

Deckline E100

		Dimensions						Item no.
		Length	Width NW/100	Width	Height	Weight	PU	
Product		mm	mm	mm	mm	kg	pcs./pallet	
	Deckline E100 L500	500	100	155	50	4,1	48	450370
	Deckline E100 with outlet D110	1000	100	155	50	8,73	18	450371
	Deckline E100 L1000	1000	100	155	50	6,9	24	450372
	Deckline E100 L2000	2000	100	155	50	12,3	24	450373
	Deckline E100 L3000	3000	100	155	50	17,9	24	450374

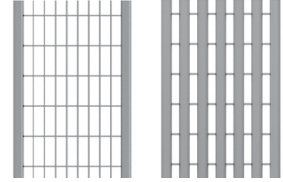
Accessories

		Dimensions					PU	Item no.
		Length	Width NW/100	Width	Height	Weight		
	Product	mm	mm	mm	mm	kg	pcs./pallet	
	Deckline E100 L-Type	639	100	155	50	7,2	16	450375
	Deckline E100 T-Type	998	100	155	50	10,1	8	450376
	Deckline E100 End Cap	18	100	155	50	0,4	24	450377
	Deckline E100 End Cap with outlet D50	100,5	100	155	50	0,5	12	450378
	EG raising piece with double clam. flange DN 100	360		360	250	4,00	40	01043
	FAT with silt basket	112		112	91	0,53	100	451410
	FAT for Deckline E	108		108	85	0,44	100	450415
	Sieve for Deckline E	104,5		104,5	20	0,04	350	450679
	Silt basket for Deckline E	102		102	86	0,25	55	409189

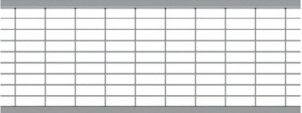


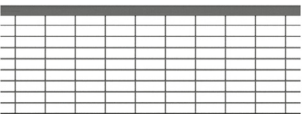
Gratings

Load class B 125

- Gratings certified to EN 1433
- With integrated Drainlock locking



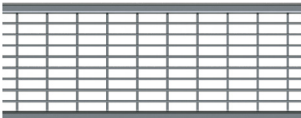
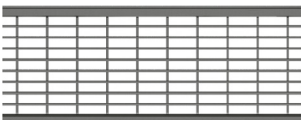
Gratings

		Dimensions						Item no.
		Length	Width	Inlet opening measurement	Intake area	Weight	PU	
		mm	mm	mm		kg	pcs./pallet	
	Mesh grate Q+ - Galvanized steel	1000	123	30 x 10	845	3,13	150	132560
		500	123	30 x 10	845	1,60	100	132561
	Mesh grate Q+ - Stainless steel 1.4301	1000	123	30 x 10	845	3,20	100	132559
		500	123	30 x 10	845	1,60	100	132542
	Mesh grate Q+ - Stainless steel 1.4404	1000	123	30 x 10	845	3,20	100	450024
		500	123	30 x 10	845	1,60	100	450025
	Linear U-profile grate - Galvanized steel	1000	123	8	430	4,80	100	132555
		500	123	8	430	1,90	100	132550
	Linear U-profile grate - Stainless steel	1000	123	8	430	4,80	100	132556
		500	123	8	430	1,93	100	132551
	Linear triangle grate - Stainless steel	1000	123	6	465	3,85	100	132557
		500	123	6	465	1,74	100	132552
	Q+ Mesh grate grey - Painted	1000	123	30 x 10	845	3,20	100	449282
		500	123	30 x 10	845	1,60	100	449283



Load class C 250

- Gratings certified to EN 1433
- With integrated Drainlock locking

**Gratings**

		Dimensions						Item no.
		Length	Width	Inlet opening measurement	Intake area	Weight	PU	
							pcs./pallet	
Product		mm	mm	mm		kg		
	Mesh grate Q+ - Galvanized steel	1000	123	30 x 10	800	4,14	100	132880
		500	123	30 x 10	800	2,06	100	132881
	Mesh grate Q+ - Stainless steel 1.4301	1000	123	30 x 10	800	4,18	100	132882
		500	123	30 x 10	800	2,00	100	132883
	Mesh grate Q+ - Stainless steel 1.4404	1000	123	30 x 10	800	4,18	100	450026
		500	123	30 x 10	800	2,00	100	450027
	Q+ Mesh grate grey - Painted	1000	123	30 x 10	800	4,20	100	449284
		500	123	30 x 10	800	2,10	100	449285

Grating accessories

Description	Suitable for	Weight	PU	Item no.
		kg	pcs./pallet	
 Cover grating hook <ul style="list-style-type: none"> ■ For lifting cover gratings ■ Galvanised steel 	<ul style="list-style-type: none"> ■ Cover gratings 	0,3	200	01290
 Cover grating hook, small <ul style="list-style-type: none"> ■ For lifting cover gratings ■ Steel, black lacquered 	<ul style="list-style-type: none"> ■ Grid Q+ ■ Composite ■ U-profiles ■ Triangle profiles 	0,25	200	01367

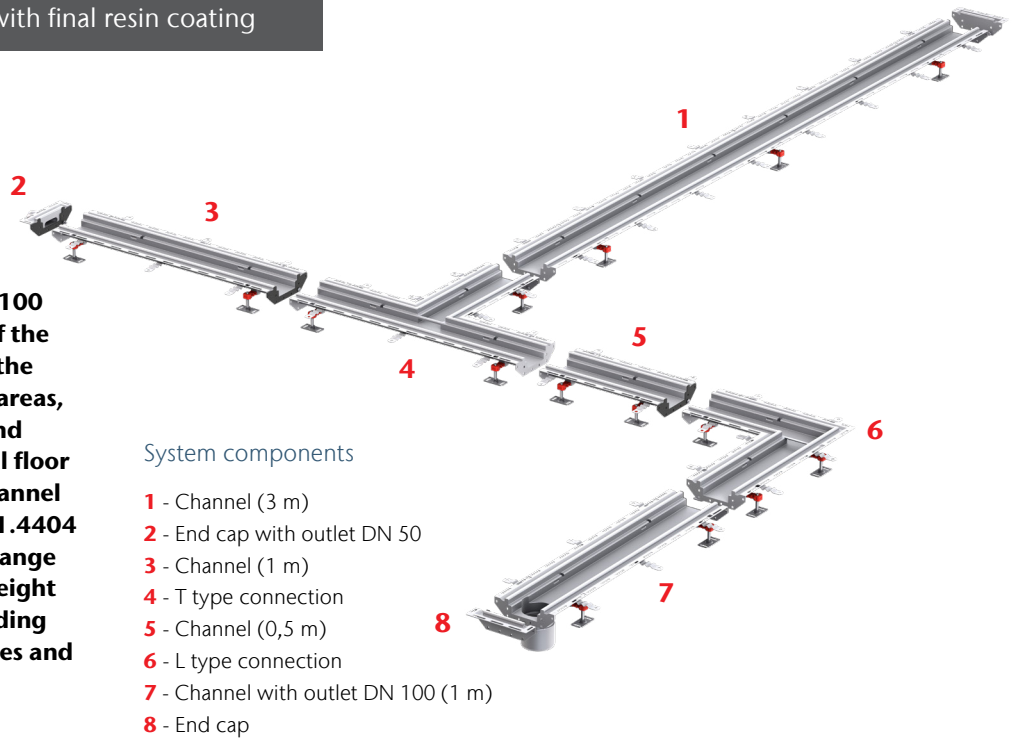


ACO DRAIN® Deckline E100 OS

Finest solution with stainless steel channel for concrete floor with final resin coating

NEW!

ACO DRAIN® Deckline E100 OS is the top solution of the two latest additions to the ACO range for parking areas, designed for garages and parking decks with final floor surface coating. The channel made of stainless steel 1.4404 with a proven sealing flange and low construction height meets the most demanding requirements for garages and parking decks.



System components

- 1 - Channel (3 m)
- 2 - End cap with outlet DN 50
- 3 - Channel (1 m)
- 4 - T type connection
- 5 - Channel (0,5 m)
- 6 - L type connection
- 7 - Channel with outlet DN 100 (1 m)
- 8 - End cap

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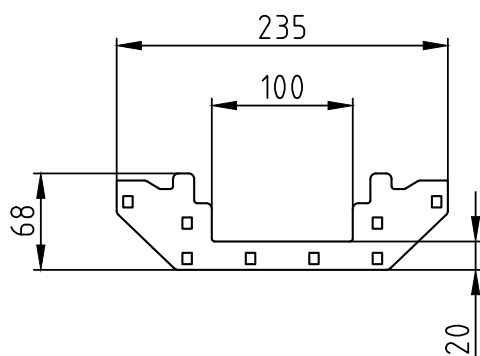
Typical applications

- Underground car garages
- Parking houses and multi-level car parks
- Application of the channel in the lowest installation height

Product benefits:

- Shallowest, 100% watertight system made of stainless steel 1.4404
- Easyfix® leveling feet for quick fine leveling
- Simple assembly using a proven modular system with EPDM sealing
- Recommended solution for concrete surfaces with final surface coating
- Low height with minimal impact on floor structure
- Seamless channel profile without gaps prevent accumulation of salts and other debris
- Fully compatible with the unique Drainlock® grating system
- Precise visible aesthetic edge
- Extended flange for finest resin connection

Deckline E100 OS



Product information

- Channel material and edges: stainless steel 1.4404
- Channel type: no slope
- Maximum load class: C250
- Certified according to EN1433
- Channel height 50 mm
- EPDM sealing with a proven modular system

Deckline E100 OS

	Product	Dimensions						Item no.
		Length	Width NW/100	Width	Height	Weight	PU	
		mm	mm	mm	mm	kg	pcs./pallet	
	Deckline E100 OS L500	500	100	235	50	4,5	36	450388
	Deckline E100 OS with outlet D110	1000	100	235	50	8,2	18	450389
	Deckline E100 OS L1000	1000	100	235	50	7,8	18	450390
	Deckline E100 OS L2000	2000	100	235	50	25,2	18	450391
	Deckline E100 OS L3000	3000	100	235	50	37,2	18	450392

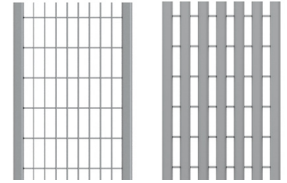
Accessories

	Product	Dimensions						PU	Item no.
		Length	Width NW/100	Width	Height	Weight			
		mm	mm	mm	mm	kg	pcs./pallet		
	Deckline E100 OS L-Type	679	100	235	50	8,2	16	450393	
	Deckline E100 OS T-Type	1000	100	235	50	12,8	8	450394	
	Deckline E100 OS End Cap	57,9	100	235	50	0,7	12	450395	
	Deckline E100 OS End Cap with outlet D50	100,5	100	235	50	0,8	6	450396	
	FAT with silt basket	112		112	91	0,53	100	451410	
	FAT for Deckline E	108		108	85	0,44	100	450415	
	Sieve for Deckline E	104,5		104,5	20	0,04	350	450679	
	Silt basket for Deckline E	102		102	86	0,25	55	409189	

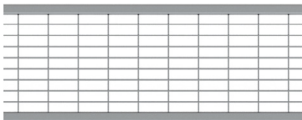


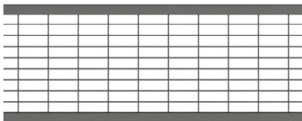
Gratings

Load class B 125

- Gratings certified to EN 1433
- With integrated Drainlock locking



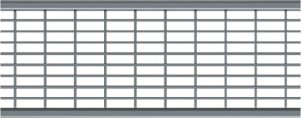
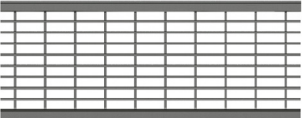
Gratings

		Dimensions			Intake area	Weight	PU pcs./pallet	Item no.
		Length	Width	Inlet opening measurement				
		mm	mm	mm		kg		
	Mesh grate Q+ - Galvanized steel	1000	123	30 x 10	845	3,13	150	132560
		500	123	30 x 10	845	1,60	100	132561
	Mesh grate Q+ - Stainless steel 1.4301	1000	123	30 x 10	845	3,20	100	132559
		500	123	30 x 10	845	1,60	100	132542
	Mesh grate Q+ - Stainless steel 1.4404	1000	123	30 x 10	845	3,20	100	450024
		500	123	30 x 10	845	1,60	100	450025
	Linear U-profile grate - Galvanized steel	1000	123	8	430	4,80	100	132555
		500	123	8	430	1,90	100	132550
	Linear U-profile grate - Stainless steel	1000	123	8	430	4,80	100	132556
		500	123	8	430	1,93	100	132551
	Linear triangle grate - Stainless steel	1000	123	6	465	3,85	100	132557
		500	123	6	465	1,74	100	132552
	Q+ Mesh grate grey - Painted	1000	123	30 x 10	845	3,20	100	449282
		500	123	30 x 10	845	1,60	100	449283



Load class C 250

- Gratings certified to EN 1433
- With integrated Drainlock locking

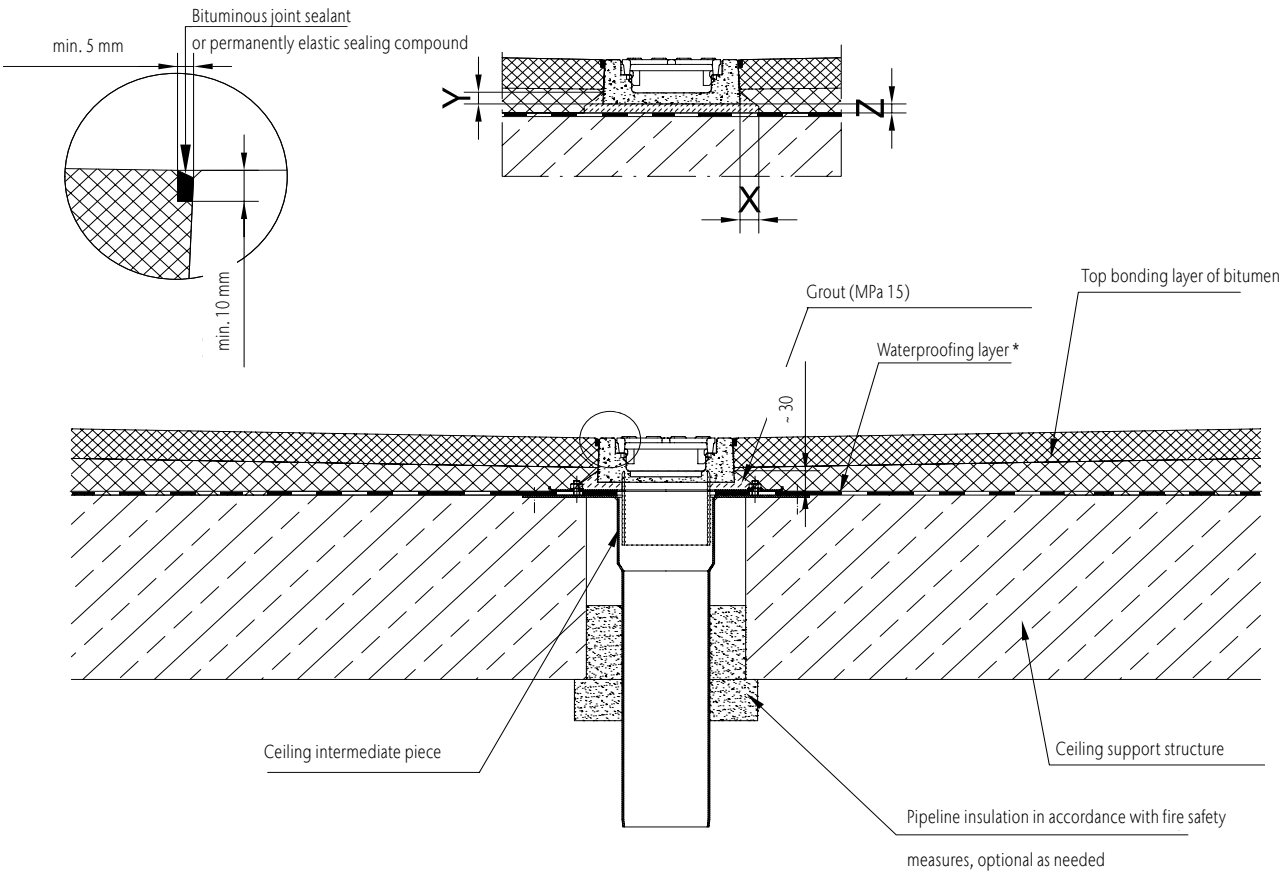
**Gratings**

		Dimensions						Item no.
		Length	Width	Inlet opening measurement	Intake area	Weight	PU	
		mm	mm	mm		kg	pcs./pallet	
	Mesh grate Q+ - Galvanized steel	1000	123	30 x 10	800	4,14	100	132880
		500	123	30 x 10	800	2,06	100	132881
	Mesh grate Q+ - Stainless steel 1.4301	1000	123	30 x 10	800	4,18	100	132882
		500	123	30 x 10	800	2,00	100	132883
	Mesh grate Q+ - Stainless steel 1.4404	1000	123	30 x 10	800	4,18	100	450026
		500	123	30 x 10	800	2,00	100	450027
	Q+ Mesh grate grey - Painted	1000	123	30 x 10	800	4,20	100	449284
		500	123	30 x 10	800	2,10	100	449285

Grating accessories

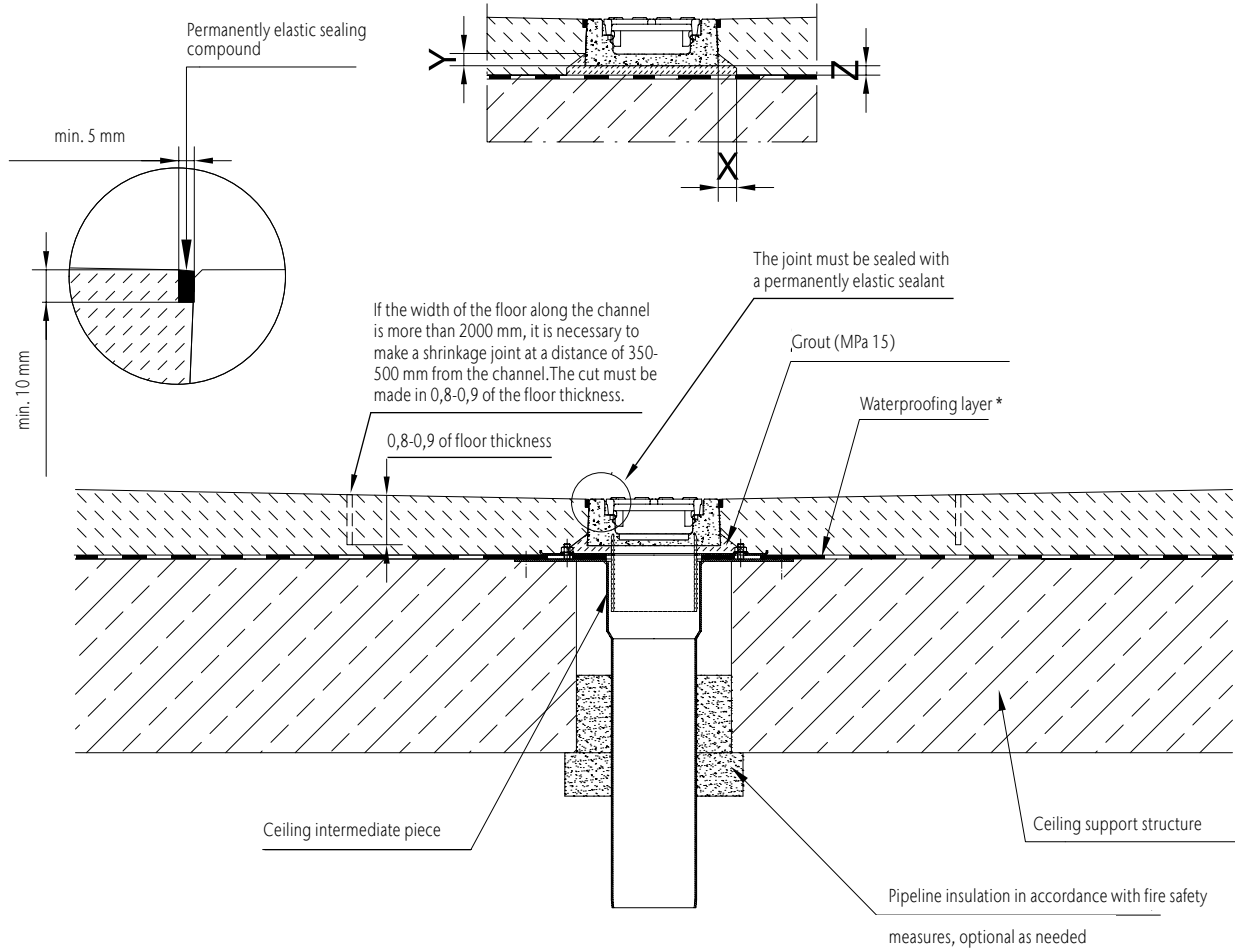
Description		Suitable for	Weight	PU	Item no.
			kg	pcs./pallet	
	Cover grating hook				
	<ul style="list-style-type: none"> ■ For lifting cover gratings ■ Galvanised steel 	<ul style="list-style-type: none"> ■ Cover gratings 	0,3	200	01290
	Cover grating hook, small				
	<ul style="list-style-type: none"> ■ For lifting cover gratings ■ Steel, black lacquered 	<ul style="list-style-type: none"> ■ Grid Q+ ■ Composite ■ U-profiles ■ Triangle profiles 	0,25	200	01367

Deckline P - Installation detail into the asphalt final layer up to C250



Load class	(according to EN 1433)	A 15	B 125	C 250	D 400	E 600
Basic dimensions	X (cm)	≥ 3	≥ 3	≥ 3		
	Y (cm)	≥ 1,5	≥ 1,5	≥ 1,5		
	Z (cm)	≥ 1,5	≥ 1,5	≥ 1,5		

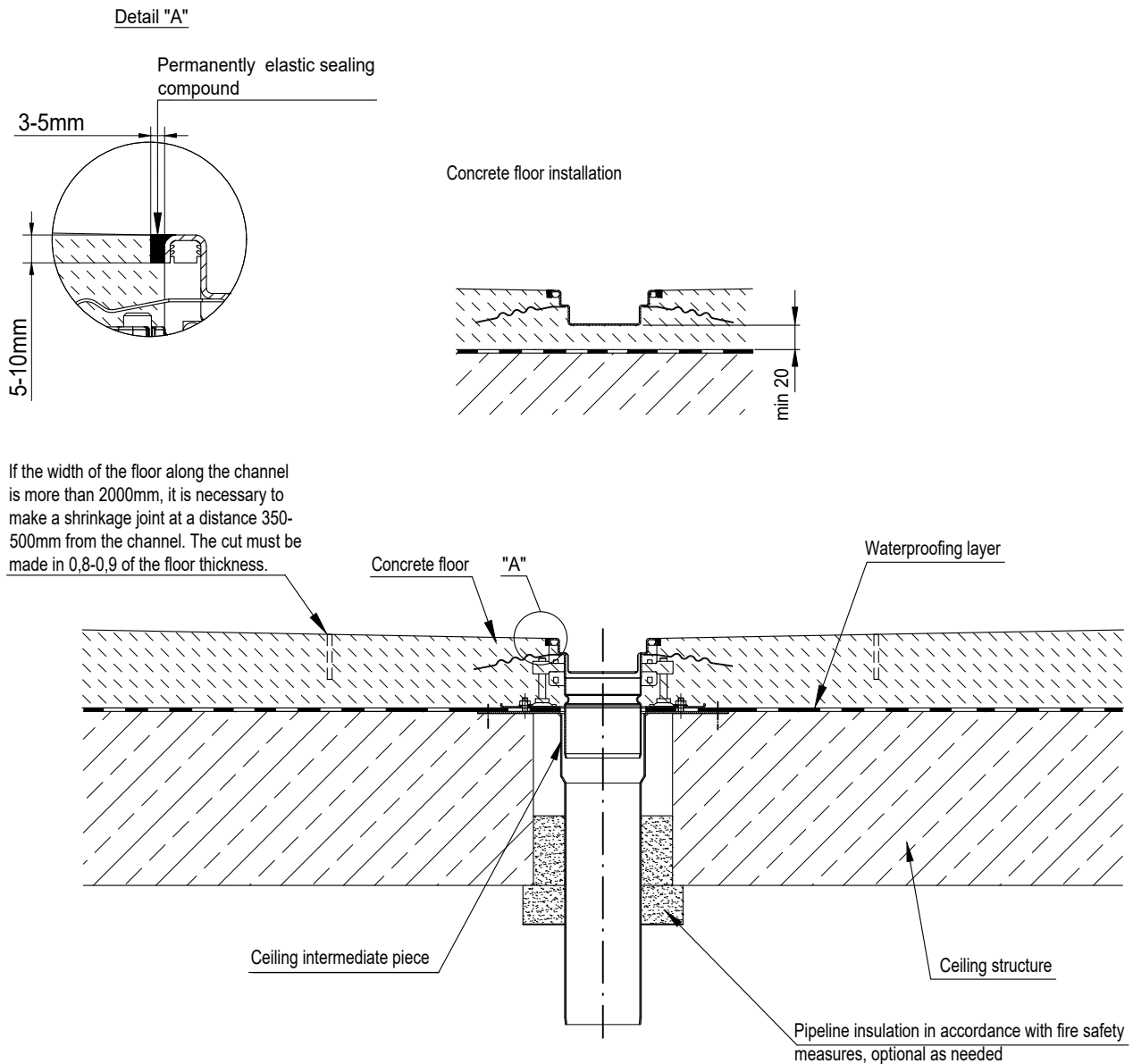
Deckline P - Installation detail into the concrete final layer up to C250



Load class	(according to EN 1433)	A 15	B 125	C 250	D 400	E 600
Basic dimension	X (cm)	≥ 3	≥ 3	≥ 3		
	Y (cm)	≥ 1,5	≥ 1,5	≥ 1,5		
	Z (cm)	≥ 1,5	≥ 1,5	≥ 1,5		

*In parking decks or roofs, installed channels should always be installed over the water-tight membrane. A direct connection of channel and membrane is not possible. For this matter, the „second“ draining surface can be drained down by vertical outlet with clamping flange.

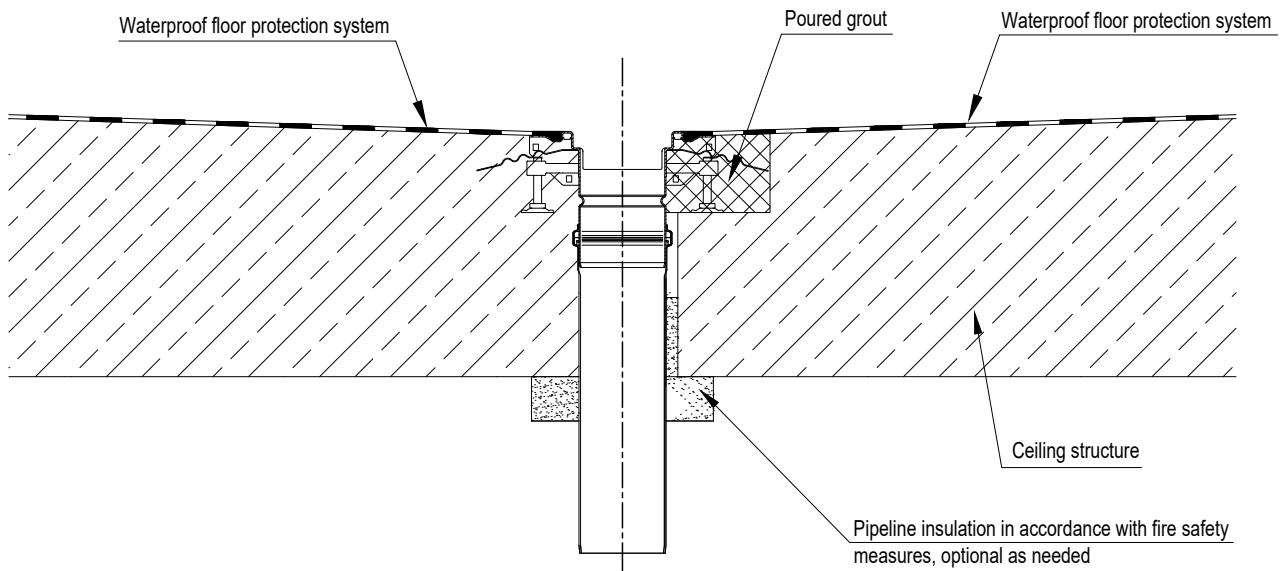
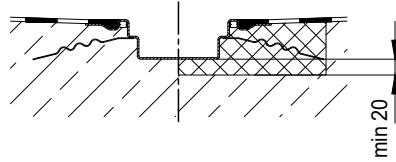
Deckline E100 - Installation detail for final concrete layer up to C250



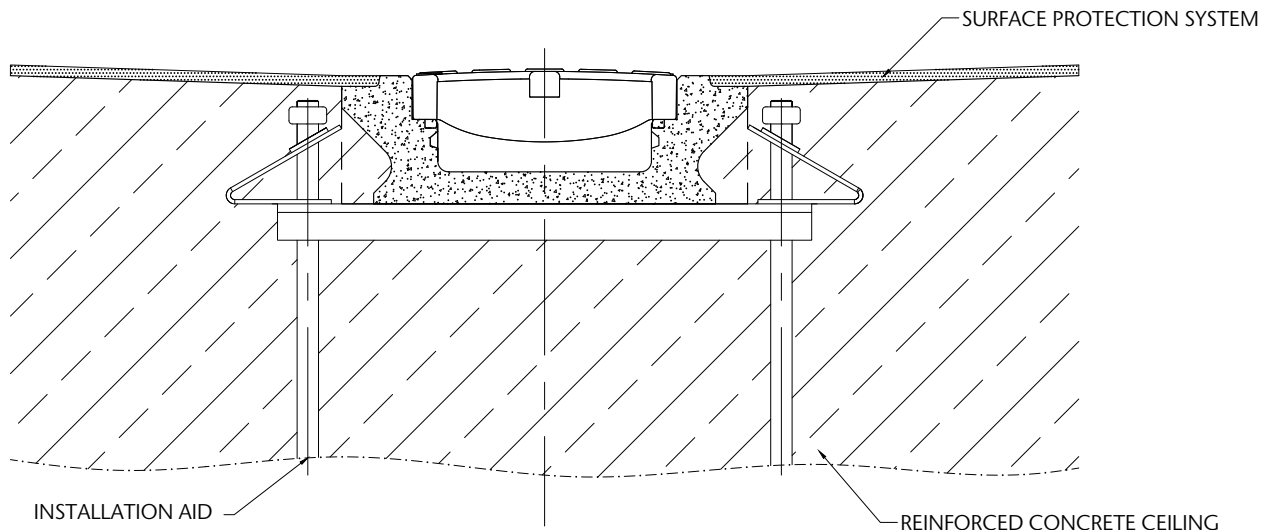
Deckline E100 OS - Installation detail for final resin coating up to C250

Direct ceiling structure installation

Preformed or cutted groove installation



Installation recommendations for Multifix 1, Multifix 2 and Multifix 3

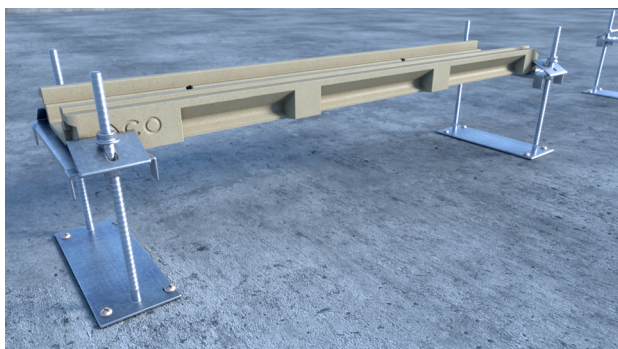


This installation recommendations shows an application using Decline P OS channel, the same installation recommendations are valid also for Decline P and Multislot channel.

Adjusting and attaching the installation aid Multifix

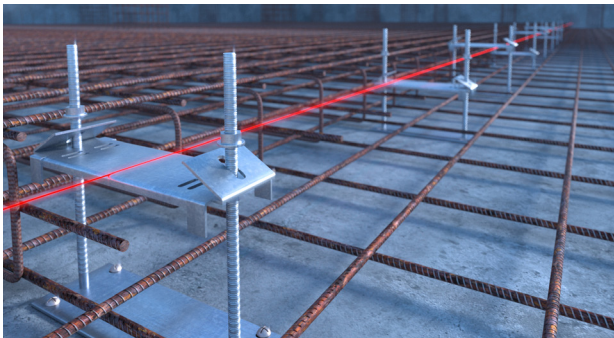
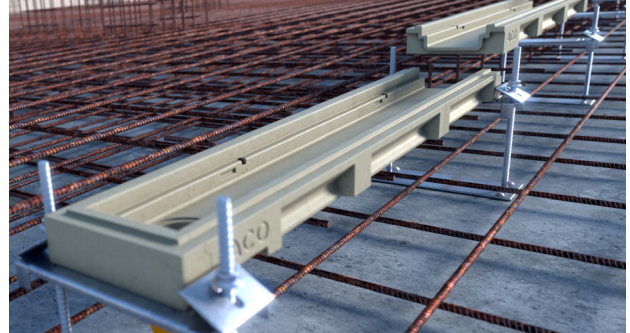
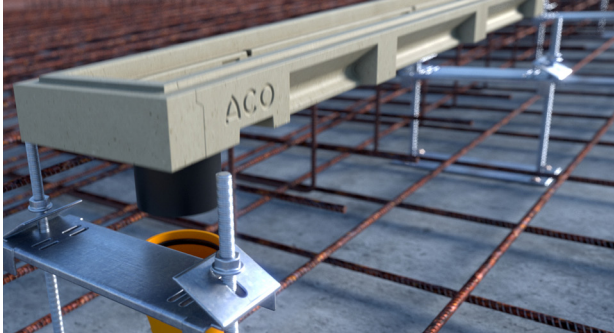
The installation aid is needed for the installation of the ACO channel before the main slab is poured. The base is placed under the contact point of the channels. Therefore, there is no need to create the joints and subsequently fill the joints when grouting. Height adjustment from 25 to 305 mm.

For one contact point of the channels, 1 piece of ACO installation aid is installed on the lower structure (panel form or leveling layer/concrete base). An additional ACO installation aid is required at the end of the channel line. Number of installation aids Multifix = standard meter + 1 piece



Step 1: Adjusting the channel

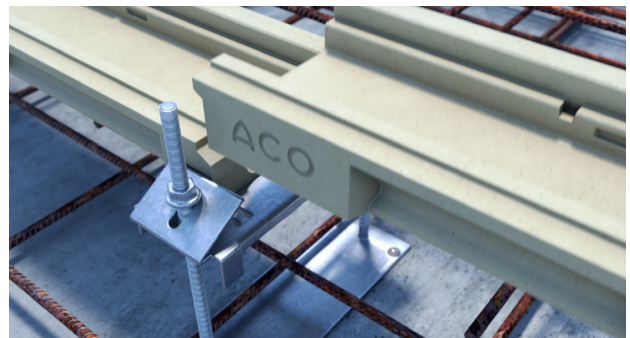
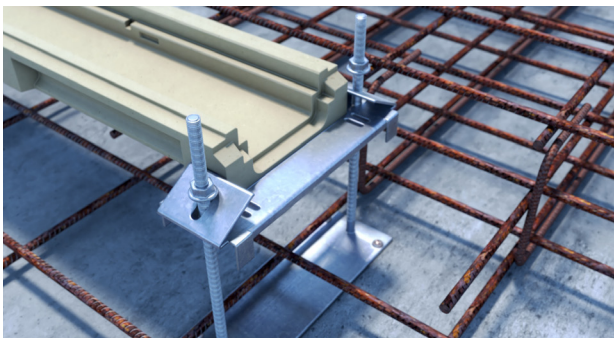
ACO channel is a drainage channel without a gradient. The laying of the channel starts with the point of connection (channel with an outlet pipe). The end cap for the starting point of the channel is attached to the channel line before the installation.



Adjusting the height of the installation aid to the desired level using a laser or cord. The height of the flange must be the same as the height of the top layer. (Lower edge of flange = top edge of background concrete) The height of the top edge of the channel (flange) must be set so that the flange does not protrude in any way, in order to ensure functional drainage. ACO channel is placed on the traverse of the ACO installation aid.

Step 2: Laying of the channel

Laying of the channels from above. The point of contact must be kept clean to create a flowing transition. The channel contact points require special care to ensure that the transition is flowing and at the same level. The level of the surface layer must be flush with the surface flange of the channel.



The channel is tightened with nuts (M10) at the point of contact to secure it against displacement and protrusion. This requires special care to align the channel line and transitions. The channel line should not be loaded or moved until the concrete has cured.

ACO products support
the ACO WaterCycle



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