







Drainage system for heavily frequented traffic areas.

Lightweight for easy, fast and low-cost installation

- maximum stability with minimum weight
- significantly lighter than channels made of mineral material
- especially easy transport and processing





Fast installation



Simple processing



Easy transport

RECYFIX® – corrosion-free and particularly sturdy

- High-Tech-Material from renowned Plastic Research Institute
- permanently resistant to frost, de-icing salt and UV light
- particularly durable even with frequent traffic





100% corrosion-free, especially in cases of frost and de-icing salt

Drainage system for heavily frequented traffic areas.

1 Requirements

Monolithic drainage channels* in traffic areas must:

- be permanently corrosion-resistant
- be secure against vandalism
- be maintenance-free and drain reliably
- satisfy aesthetic demands

2 Application areas

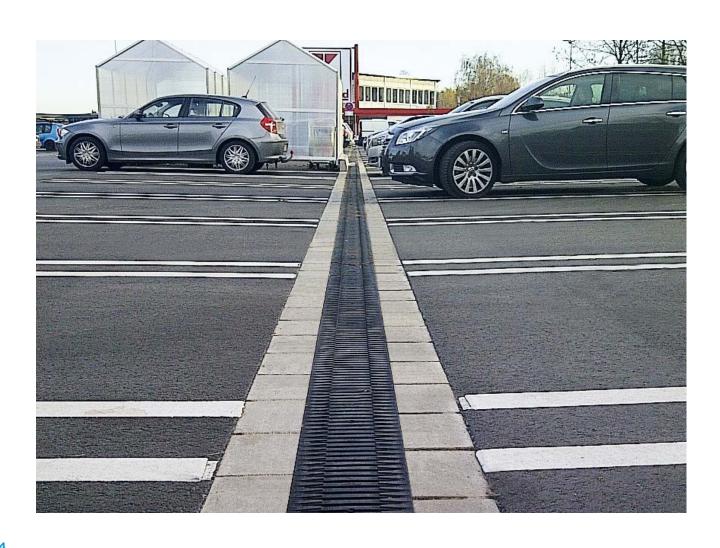
- Parking areas
- Market places, public spaces
- School playgrounds
- Residential areas
- Gas stations
- Traffic areas in trade and industry

3 Solution

Therefore, RECYFIX MONOTEC channels are especially suitable for draining such surfaces:

- Lightweight and easy processing for cost-effective installation
- Channel made of specially resistant modified polypropylene
- Leak-proof and chemical-resistant
- Sturdy and unbreakable
- Very quick to install

*Get more information about the Hightech-Manufacturing process on page 6







Installation in asphalt surface



Particularly resistant to dynamic forces



Installation in concrete surface



Installation in paving surfaces



Ideal for heavily-trafficked areas

The benefits of the **RECYFIX®** MONOTEC **NEW**

100% corrosion free



unbreakable

- elastic and especially resistant material (PP)
- resistant in daily use to traffic volume and temperature differences
- = safety



high hydraulic capacity

- optimised inlet surface with FIBRETEC design
- high volume through slim channel construction
- = safety



low weight ensures easy handling on site

- significantly lighter than channels made of mineral material
- especially easy transport and fast installation
- = Cost savings

Further details on page 3!



Fast installation



Easy transport



Simple processing





Highest quality due to Hightech-Manufacturing process. Watch the load test movie of the monolithic channels on: www.hauraton.com - Videos





monolithic drainage channel for highest stability

- manufactured with two parts, which are put together to a monolithic channel in a mirror welding process.*
- vandalism proof
- withstands frequently traffic permanently
- = Security
- * In the mirror welding process the joining surfaces are heated with heating elements (= mirror) and finally pressed together.

All this is done without any additional connecting material. The connections are afterwards extremely reliable.



high resistance

- high resistance to frost, de-icing salt and UV light
- withstands high temperature differences
- chemical-resistant
- = Durability



low maintenance

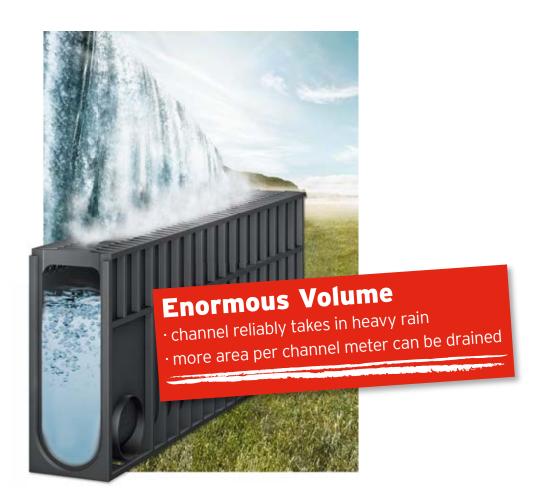
- easy cleaning by rinsing through the inspection box
- durable high-quality appearance
- = Cost savings

RECYFIX® MONOTEC NEW

Optimal hydraulic capacity through slim design.

The RECYFIX MONOTEC channel is made of highly resistant and unbreakable polypropylene. Therefore, a particularly slender design is possible which has a positive effect with regard to drainage capacity. The smallest model, with a nominal width of 100 mm and a height of 230 mm, already achieves a drainage cross-section of 190.5 cm². Comparable channels, made from other materials, must have much thicker sidewalls which significantly reduces the drainage cross-section.

The RECYFIX MONOTEC Channel range consists of 3 heights with a nominal width of 100 mm and one model with a nominal width of 200 mm. Long-term practical tests and computer-aided simulations lead to the same result: The RECYFIX MONOTEC accumulates heavy rainfall, provides a sufficient backwater reserve and drains large surfaces safely and reliably.



RECYFIX® MONOTEC

Nominal size	Height	Drainage cross-section	Volume/ Channel
100 mm	230 mm	190.5 cm²	19.1 Լ
100 mm	280 mm	245.5 cm²	24.6 l
100 mm	380 mm	355.5 cm²	35.6 l
200 mm	450 mm	746.1 cm²	74.6 l



Maximum hydraulic capacity

The fiber-reinforced polypropylene material enables a slim channel design. As a result, a maximum hydraulic capacity is achieved.



NW 100, Type 230



NW 100, Type 280



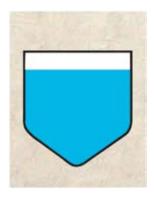
NW 100, Type 380



NW 200, Type 450



NW 200, Type 450



Lower drainage capacity, up to 45%, with monolithic channels made from other materials

FIBRETEC® slotted grating: Proven to make progress

In 2010, HAURATON invented the FIBRETEC slotted grating. This grating is specially designed for maximum hydraulic performance. Optimized inlet radii ensure that the largest amount of water is led into the channel within the shortest time. More than one million channels sold expresses its great popularity. Deliberately, the design has now been transferred to the RECYFIX MONOTEC. Along with the enormous volume of the channel, a product with the highest hydraulic demands has emerged - the perfect combination of water intake, retention and drainage.



Testing at HAURATON Hydraulic Center in Budapest

RECYFIX® MONOTEC NEW

Drainage system for heavily frequented traffic areas.

RECYFIX MONOTEC channels meet the requirements of DIN EN 1433 and are suitable for the following load classes:



Category C 250, Load Class 250 kN



Category D 400, Load Class 400 kN

If in doubt, always select the higher class.



RECYFIX MONOTEC channels made of modified polypropylene, according to DIN EN 1433, CE-conform.



Trash box made of galvanized steel with pipe connection possibility DN 200. Removable grating made of modified polypropylene for access to channel system.

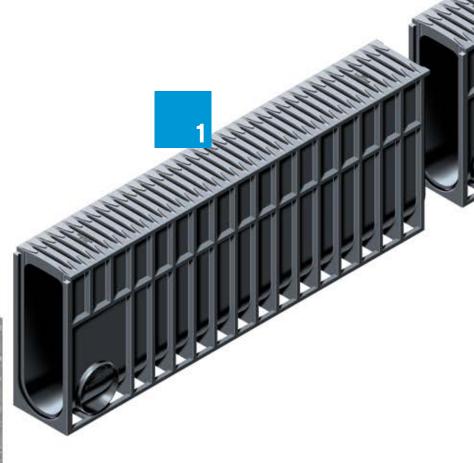


Connection plate for flexible connection of different channel types with the trash box and closing cap for the closing of trash box.

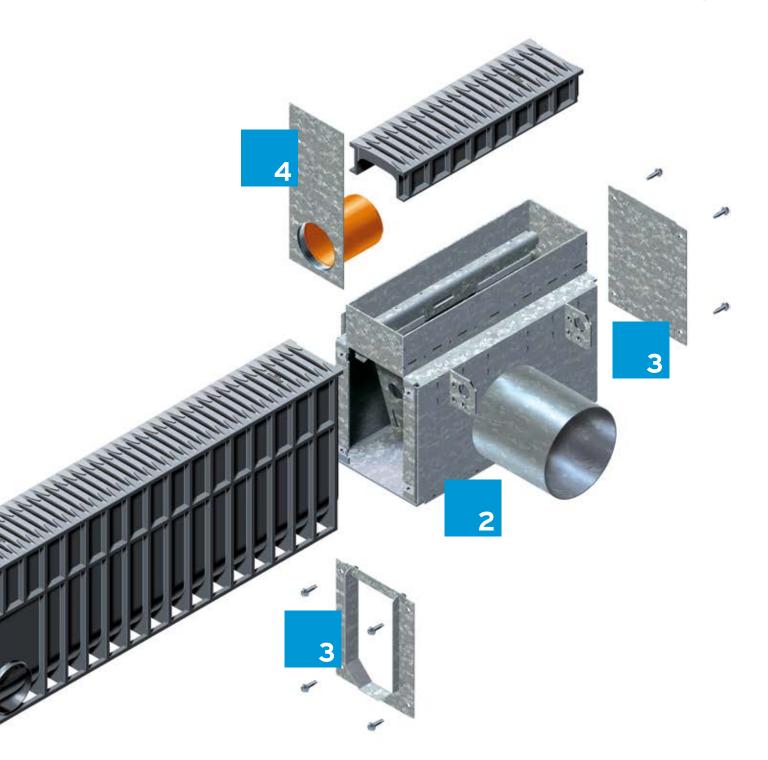


End caps for channel start/channel end (DN 100).



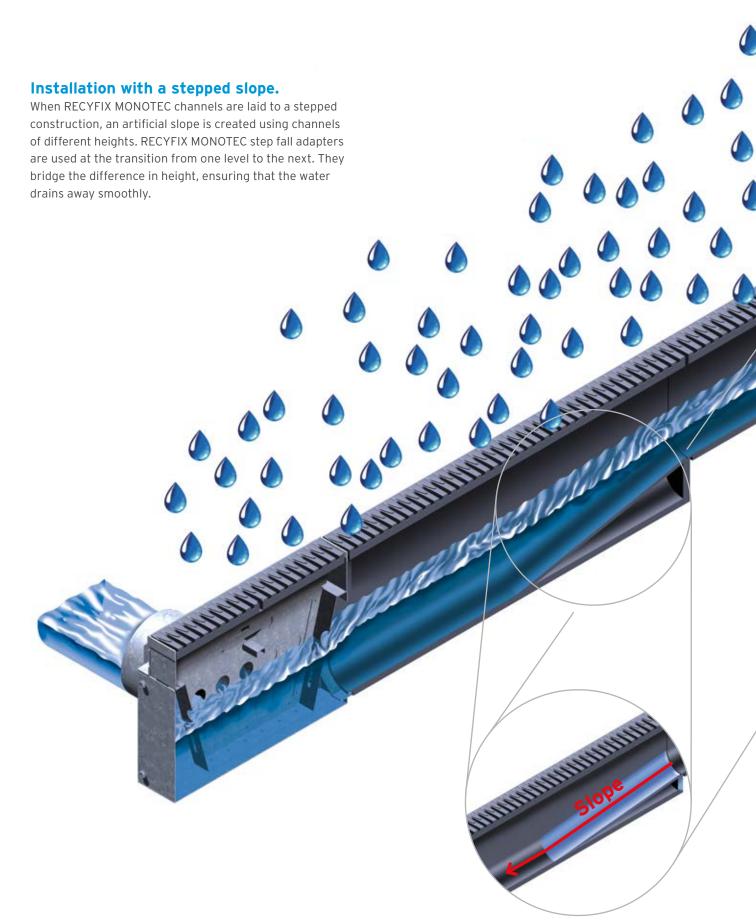


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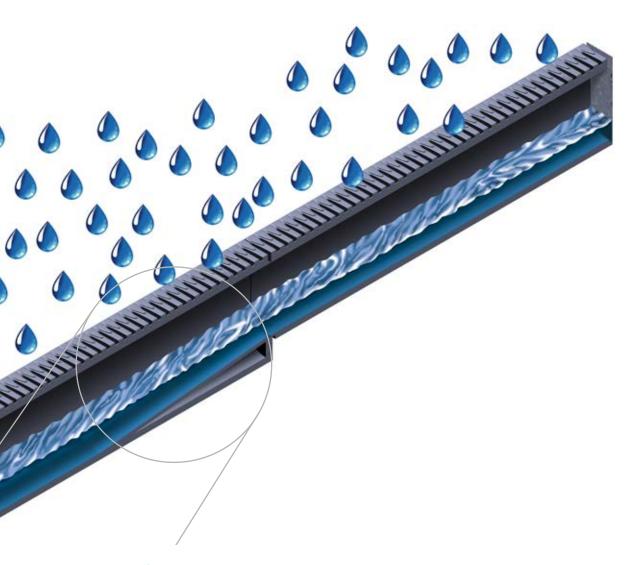


RECYFIX® MONOTEC Step Fall NEW

Reliable hydraulic performance for channel runs with a stepped slope.







RECYFIX® MONOTEC Step Fall Adapter, black, for channel runs with step fall

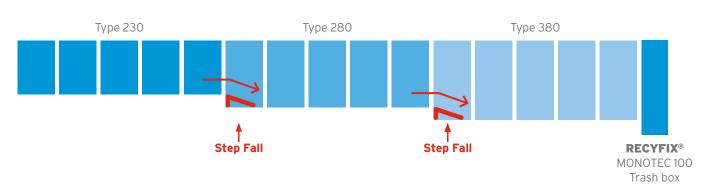


Step Fall Adapter for transition from type 230 to 280

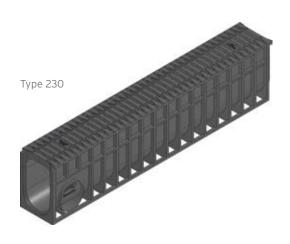


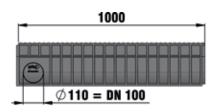
Step Fall Adapter for transition from type 280 to 380

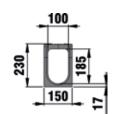
RECYFIX® MONOTEC Channels 100:

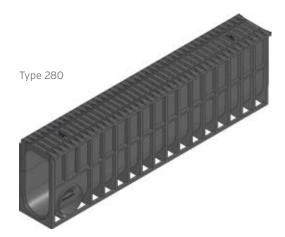


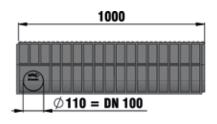
RECYFIX®MONOTEC 100, class D 400

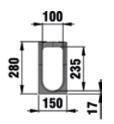


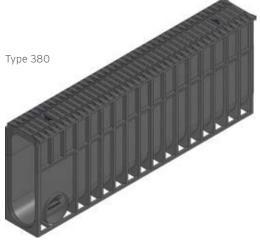


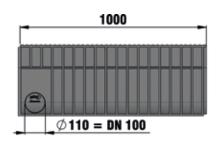












	-	100	-
380			335
	J	150	

	Length mm	Width mm	Height mm	Intake cross-sect. cm²/m	Drainage cross-sect. cm²	Weight kg	Item No.
Type 230	1000	150	230	372	190,5	7,85	36000
Type 280	1000	150	280	372	245,5	8,63	36005
Type 380	1000	150	380	372	355,5	10,25	36015



Accessories

Trash box



Trash box with galvanised bucket



Technical drawing, trash box with galvanised bucket



Connection plate with screw set, galvanised, channel type 230



Closing cap with screw set, galvanised

	Length mm	Width mm	Height mm	Weight kg	Item No.
Trash box with galvanised bucket	510	160	395	-	36045
Looking handle with screw for protecion against vandalism	-	-	-	-	36098
Connection plate with screw set, galvanised, channel type 230	-	216	283	-	36032
Connection plate with screw set, galvanised, channel type 280	-	216	283	=	36037
Connection plate with screw set, galvanised, channel type 380	-	216	283	-	36047
Closing cap with screw set, galvanised, for trash box/inspection box	_	216	283	-	36023

All trash and inspection boxes are factory-made with the end face open to enable a modular use for all application situations:

⁻ Option 1: one-sided channel connection: You will need 1 connection plate with the same channel height (= same type) and an closing cap.

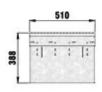
- Option 2: two-sided channel connection: You will need 2 connection plates with the same channel height (= same type).

Accessories

Inspection box







Technical drawing, inspection box



Connection plate with screw set, galvanised, channel type 280



Closing cap with screw set, galvanised

	Length mm	Width mm	Height mm	Weight kg	Item No.
Inspection box	520	160	388	-	36035
Looking handle with screw for protecion against vandalism	-	-	-	-	36098
Connection plate with screw set, galvanised, channel type 230	-	216	283	-	36032
Connection plate with screw set, galvanised, channel type 280	-	216	283	=	36037
Connection plate with screw set, galvanised, channel type 380	-	216	283	-	36047
Closing cap with screw set, galvanised, for trash box/inspection box	_	216	283	-	36023

All trash and inspection boxes are factory-made with the end face open to enable a modular use for all application situations:

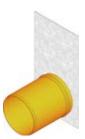
- Option 1: one-sided channel connection: You will need 1 connection plate with the same channel height (= same type) and an closing cap.
- Option 2: two-sided channel connection: You will need 2 connection plates with the same channel height (= same type).



End caps



End cap closed, galvanised, type 230



End cap with horizontal UPVC-outlet DN 100, galvanised, type 280

	Length mm	Width mm	Height mm	Weight kg	ltem No.
End cap closed, galvanised, type 230	-	150	225	0,5	36080
End cap closed, galvanised, type 280	=	150	275	0,6	36082
End cap closed, galvanised, type 380	=	150	375	0,8	36086
End cap with horizontal UPVC-outlet DN 100, galvanised, type 230	-	150	225	=	36090
End cap with horizontal UPVC-outlet DN 100, galvanised, type 280	=	150	275	=	36092
End cap with horizontal UPVC-outlet DN 100, galvanised, type 380	-	150	375	-	36096

Further accessories



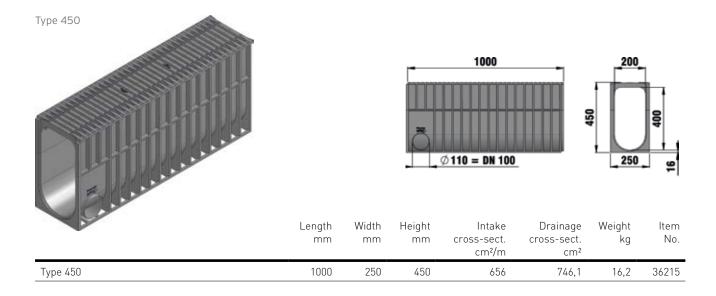
Step Fall Adapter for step slope, from type 230 to 280



Step Fall Adapter for step slope, from type 280 to 380

	Length mm	Width mm	Height mm	Weight kg	ltem No.
Step Fall Adapter for step slope, from type 230 to 280	510	125	112,5	0,7	36070
Step Fall Adapter for step slope, from type 280 to 380	510	125	162,5	0,8	36071

RECYFIX®MONOTEC 200, class D 400



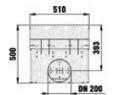


Accessories

Trash box



Trash box with galvanised bucket



Technical drawing, trash box with galvanised bucket



Connection plate with screw set, galvanised, channel type 450



Closing cap with screw set, galvanised, for trash box/inspection box

	Length mm	Width mm	Height mm	Weight kg	Item No.
Trash box with galvanised bucket	510	260	500	-	36245
Looking handle with screw for protecion against vandalism	-	-	-	-	36298
Connection plate with screw set, galvanised, channel type 450	-	316	283	=	36247
Closing cap with screw set, galvanised, for trash box/inspection box	-	316	283	-	36223

All trash and inspection boxes are factory-made with the end face open to enable a modular use for all application situations:

Option 1: one-sided channel connection: You will need 1 connection plate with the same channel height (= same type) and an closing cap.

Option 2: two-sided channel connection: You will need 2 connection plates with the same channel height (= same type).

Accessories

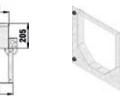
Inspection box



Inspection box



Technical drawing, inspection box



Connection plate with screw set, galvanised, channel type 450



Closing cap with screw set, galvanised, for trash box/inspection box

	Length mm	Width mm	Height mm	Weight kg	Item No.
Inspection box	510	260	493	-	36235
Looking handle with screw for protecion against vandalism	-	-	-	-	36298
Connection plate with screw set, galvanised, channel type 450	-	316	283	-	36247
Closing cap with screw set, galvanised, for trash box/inspection box	-	316	283	-	36223

- All trash and inspection boxes are factory-made with the end face open to enable a modular use for all application situations:

 Option 1: one-sided channel connection: You will need 1 connection plate with the same channel height (= same type) and an closing cap.
- Option 2: two-sided channel connection: You will need 2 connection plates with the same channel height (= same type).

End caps



End cap closed, galvanised, type 450



End cap with horizontal UPVC-outlet DN 150, galvanised, type 450

	Length mm	Width mm	Height mm	Weight kg	ltem No.
End cap closed, galvanised, type 450	-	250	445	1,7	36286
End cap with horizontal UPVC-outlet DN 150, galvanised, type 450	=	250	445	-	36296



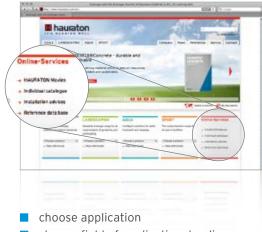
Your way to the tender text on **hauraton.com**

- a) Product known
 - Go to the product page.



b) Product unknown

Go to the specification tool.

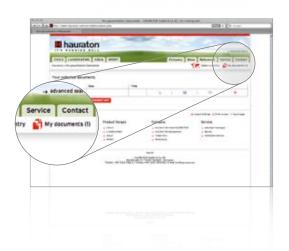


- choose field of application, loading capacity and nominal size
- select from the proposed systems / items

2 Choose required format and add it to your documents

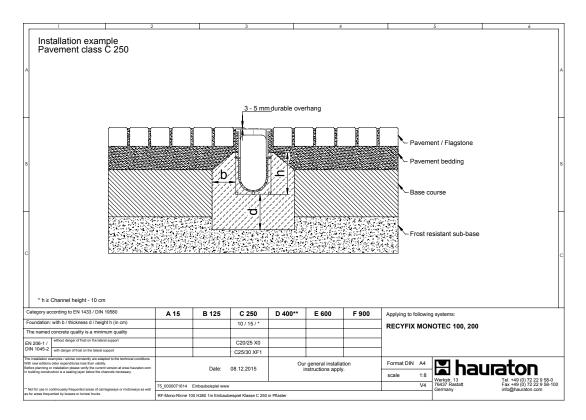




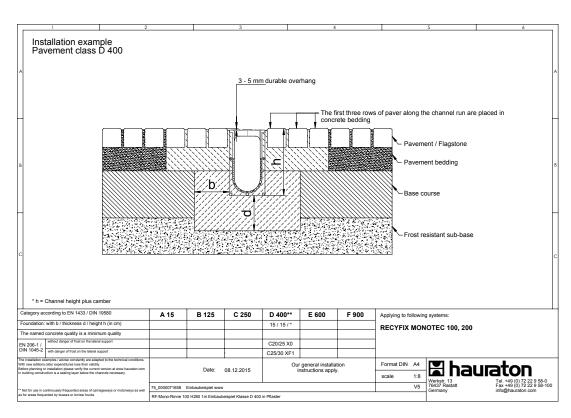


Installation examples **RECYFIX**®MONOTEC

Installation example pavement, class C 250

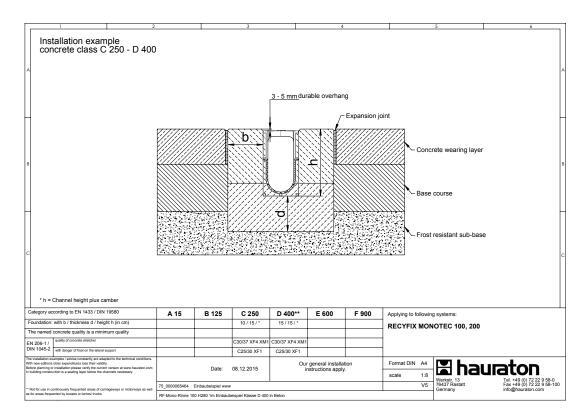


Installation example pavement, class D 400

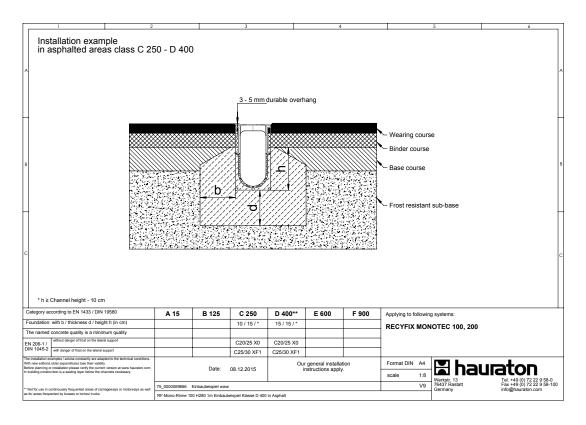




Installation example concrete, class C 250 - D 400



Installation example asphalt, class C 250 - D 400





Authorized Dealer Reply via Fax +49 7222 958-222 Please mark: $\hfill\Box$ I have a $\hfill\Box$ I to take advantage of your free individual planning support. ☐ I would like a visit from a **technical advisor**. $\hfill \square$ I am in interested in your productline. Please send me your complete **HAURATON GmbH & Co. KG** planning documents. Werkstraße 13 Company Tel. +49 7222 958 0 Last name/First name Fax +49 7222 958 222 Street address/PO Box www.hauraton.com Zip code/City Telephone/Fax Our email newsletter keeps you informed about current projects, new products and other facts worth knowing. I would like to subscribe to the email newsletter. EMail