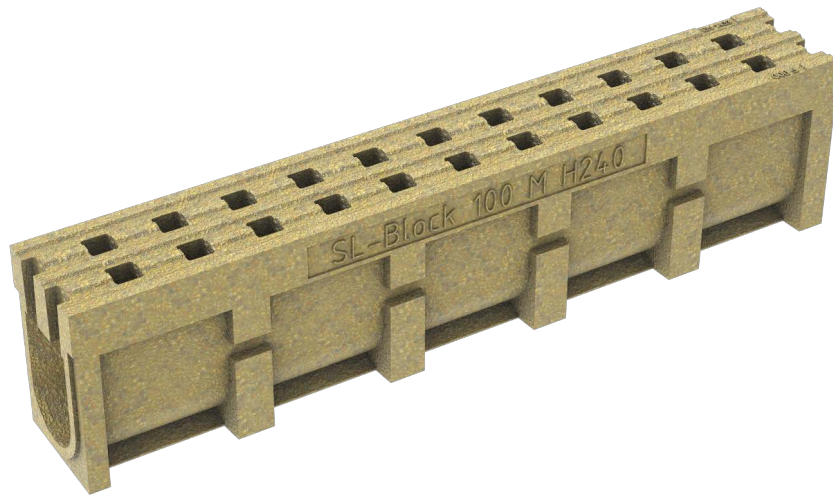


ANRIN

LEADING WATER



Technical data sheet

Drainage System
SOLID BLOCK 100

Technical data sheet

ANRIN drainage system SOLID BLOCK 100

Channel drainage for the load classes D 400 to F 900

This monolithic SOLID-BLOCK channel system was developed for the special requirements of longitudinal drainage on motorways and federal highways.

Product specifications

Product specifications	Channel element	Access element	Sump unit
Material	Resin concrete	Resin concrete	Resin concrete
Length	100 cm	50 cm	50 cm
Width	14.8cm	14.8 cm	14.8cm
Height	24.0 cm	24.0 cm	58.5 cm
Weight	33.0kg	21.8 kg	37.0kg
Nominal width	100 mm	100 mm	100 mm
Slope type	Constant invert	Constant invert	Constant invert
Load capacity	cl. F900	cl. F900	cl. F900
Channel cover		Slotted ductile iron grating	Slotted ductile iron grating

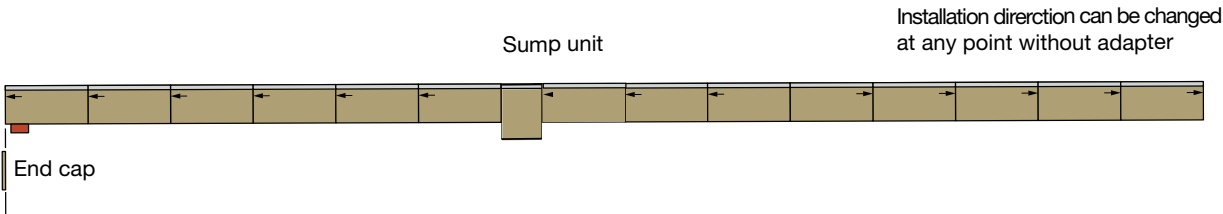
Material properties

Channel / component body	
Polymer concrete	polyester resin-based with mineral aggregates, additives
Compressive strength	$\geq 90 \text{ N/mm}^2$
Bending tensile strength	$\geq 22 \text{ N/mm}^2$
Modulus of elasticity	ca. 25 kN/mm^2
Density	$2.1 - 2.3 \text{ g/dm}^3$
Heat resistance	100° C (permanent loading)
Frost resistance	$- 50^\circ \text{ C}$
Water penetration depth	0 mm
Water absorption	0,05 %
Channel cover	
Channel cover	Slotted ductile iron grating, GJS

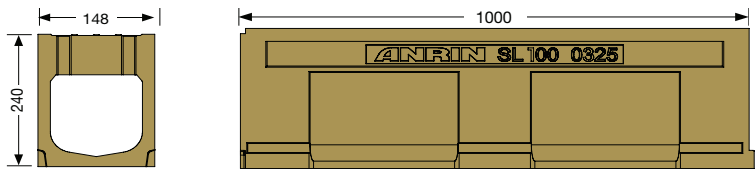
Technical data sheet

ANRIN drainage system SOLID BLOCK 100

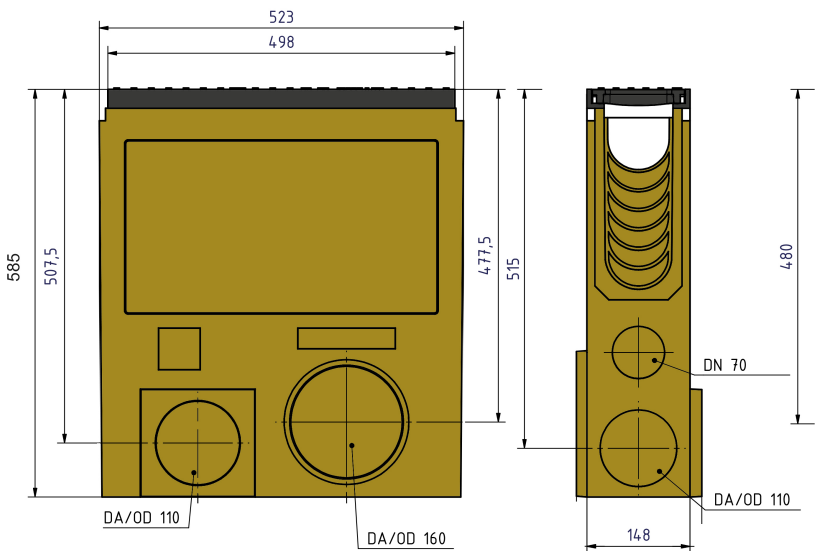
Constant invert



Channel element



Sump unit

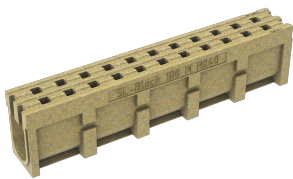


Technical data sheet

ANRIN drainage system SOLID BLOCK 100

Channel types

Artikel Nr.	EAN	Description	Length cm	Width cm	Height cm	Weight kg
05010000	4026857030096	SOLID BLOCK 100 Channel element	100	14,8	24,0	33,0
05010045	4026857030133	SOLID BLOCK 100 Access element with ductile iron grating, cl. F900	50	14,8	24,0	21,8
05010600	4026857030119	SOLID BLOCK 100 Sump unit with ductile iron grating, cl. F900	50	14,8	58,5	37,0



SOLID BLOCK 100 Channel element



SOLID BLOCK 100 Sump unit with ductile iron grating

Accessories

Artikel Nr.	EAN	Beschreibung	Länge cm	Breite cm	Höhe cm	Gewicht kg
05010700	4026857030157	SOLID BLOCK 100 closed End cap	-	14.8	24.0	1.6
05010800	4026857030171	SOLID BLOCK 100 End cap with pipe socket	-	14.8	24.0	1.4



SOLID BLOCK 100 closed End cap

SOLID BLOCK 100 End cap with pipe socket

Technical data sheet

ANRIN drainage system SOLID BLOCK 100

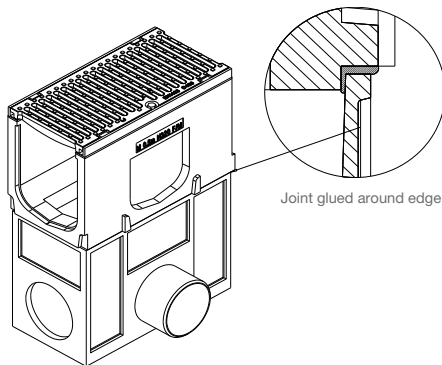
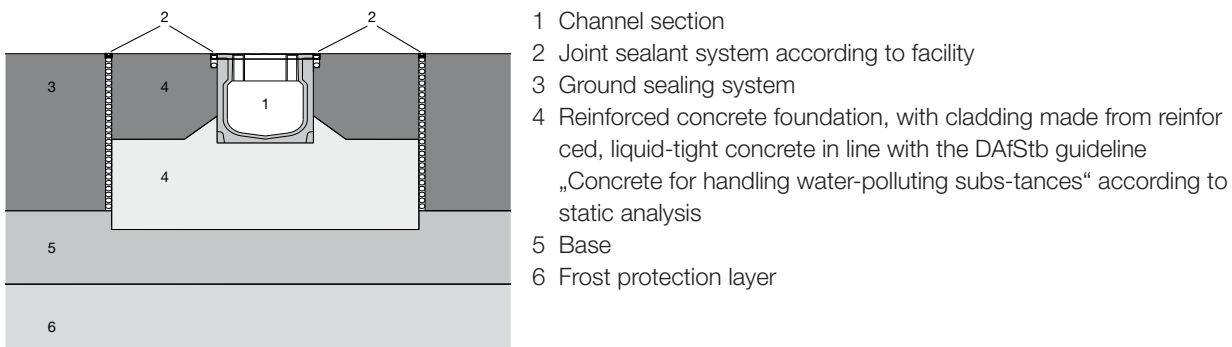
Example installations

With ANRIN drainage systems, accumulating rainwater should be drained safely and quickly. Moreover, the structural elements have the task of accommodating dynamic loads arising from traffic-related demands and dispersing them to the area of the foundation.

The following installation guidelines are schematic representations. These are provided as examples and are non-binding. The information provided here is based on our long-term experience in excavation and road construction as well as the state-of-the-art technology.

Despite this, designers and planners are always obligated to check the products and the installation instructions for their appropriateness. The example details are simplified recommendations for execution. Constructions are to be re-created on a project-specific basis. Special local conditions must be reviewed by the planner and the appropriate installation types must be taken into account. The example details are simplified recommendations for execution. Constructions are to be re-created on a project-specific basis.

Important: Insert gratings for the installation.



Joint sealed around edge with a joint sealant that is suitable for both the contact material and purpose, along with general construction approval and/or European technical approval.

The current guidelines and regulations of the state-of-the-art technology must be observed for the installation. For example, these are:

DIN EN 1433	“Drainage channels for vehicular and pedestrian areas”
DIN 19580	“Drainage channels for vehicular and pedestrian areas”
RStO	“Guidelines for the standardisation of the superstructure of vehicular areas”
DIN EN 206-1	“Concrete. Specification, performance, production and conformity”, to be observed, in particular: ZTV concrete StB 07 for the construction of base courses with hydraulic binders and concrete road wearing courses.
(VOB) Teil C	DIN 18318 “Construction work on roadways”
DIN EN 1045-2	“Concrete, reinforced and prestressed concrete structures. Part 2: Concrete – Specification, properties, production and conformity; application rules for DIN EN 206-1”



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