

Technical Information Sheet



FDT Emergency Overflow Drain

Delivery form	Item Number
1 pc. Rhepanol Emergency Overflow 300 mm x 100 mm	14 20 930
1 pc. Rhepanol Emergency Overflow 600 mm x 100 mm	14 20 950
1 pc. Rhenofol Emergency Overflow 300 mm x 100 mm	14 21 930
1 pc. Rhenofol Emergency Overflow 600 mm x 100 mm	14 21 950

Note: For other dimensions, please refer to the price list/product catalogue

Description

Safety precautions must be taken on every building for emergency drainage. EN 12056-3, set out the requirements for proper drainage and emergency drainage.

Emergency overflows from FDT in the required number ensure that the entire emergency drainage of a roof can drain away.

FDT offers customized production; in addition to standard emergency overflows, special types can also be manufactured according to customer specifications. Order form see last page.

Preparation

Clean the installation area.

Application and processing

The emergency drainage from the flat roof can be routed through the roof edge or the parapet. Care must be taken to ensure that the emergency drainage is not connected to the main drainage system, but is directed to open areas that can be safely flooded.

All non fleece backed Rhepanol roofing membranes can be welded to the Rhepanol Emergency Overflow Drain (PP) in accordance with the installation instructions. Alternatively, FPO/TPO (PP) and bitumen membranes can also be connected.

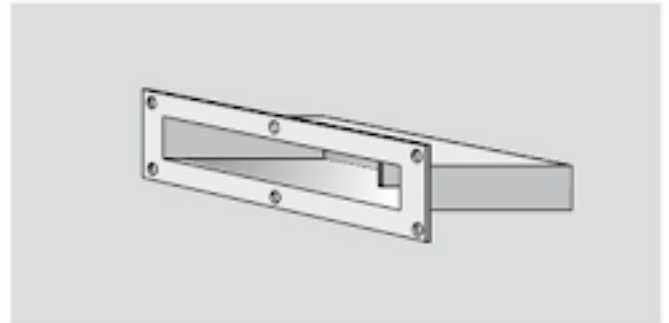
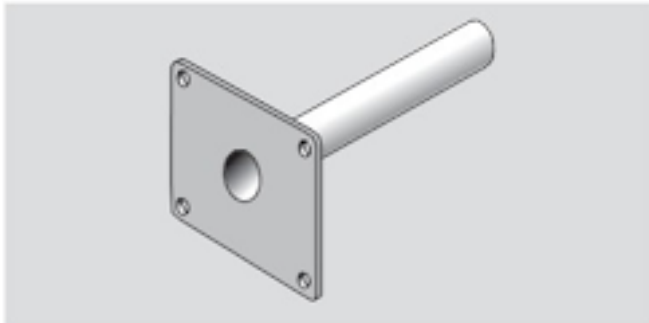
All Rhenofol roofing membranes can be welded to the Rhenofol Emergency Overflow Drain (PVC) in accordance with the installation instructions. Alternatively, PVC/EVA roofing membranes can also be connected.

Note: In principle, the connectability/weldability of both variants must be varified by means of welding tests.

Consumption

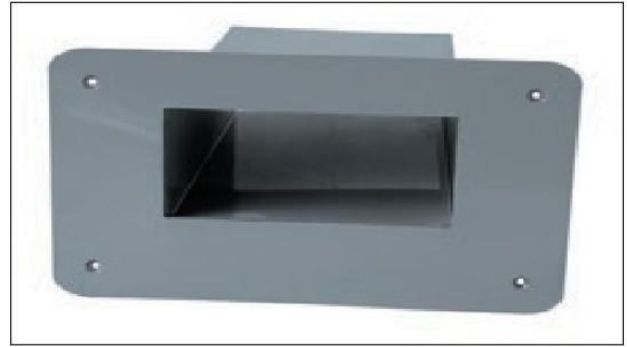
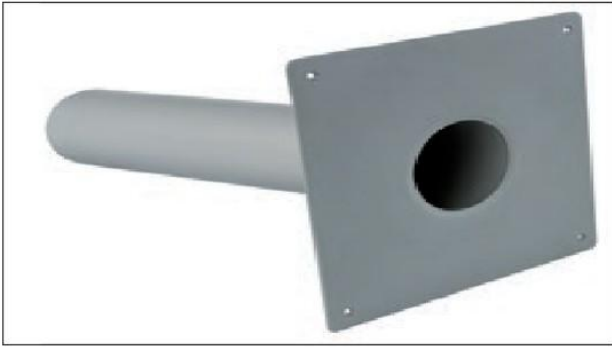
The required quantity of emergency overflows must be determined by a corresponding drainage calculation. We would be happy to carry out these calculations for you as part of our service.

Properties

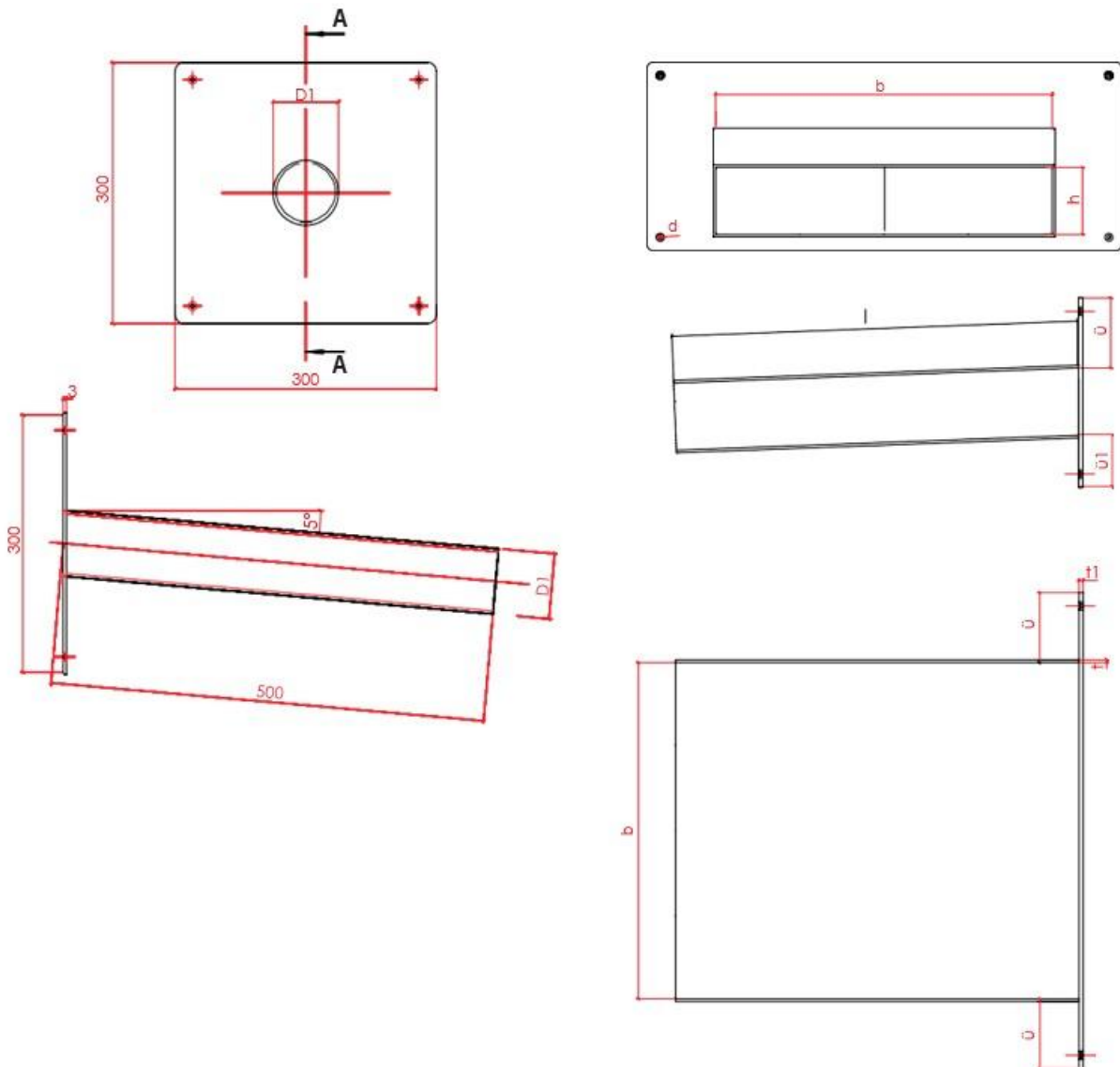


Item number	Designation	Outer diameter d (mm)	Slope	Spigot-length (mm)	Flange diameter (mm)
14 20 840	Rhepanol Emergency Overflow Drain 75	75	5°	500	300 x 300
14 20 840	Rhepanol Emergency Overflow Drain 110	110	5°	500	300 x 300
14 20 920	Rhepanol Emergency Overflow Drain 200 x 100	210 x 110	2°	500	360 x 230
14 20 930	Rhepanol Emergency Overflow Drain 300 x 100	310 x 110	2°	500	460 x 230
14 20 940	Rhepanol Emergency Overflow Drain 450 x 100	460 x 110	2°	500	610 x 230
14 20 950	Rhepanol Emergency Overflow Drain 600 x 100	610 x 110	2°	500	760 x 230
14 20 830	Rhepanol Emergency Overflow Drain Special type	acc. to specifications ¹⁾	2°	acc. to specifications ¹⁾	acc. to specifications ¹⁾
14 21 840	Rhenofol Emergency Overflow Drain 75	75	5°	500	300 x 300
14 21 810	Rhenofol Emergency Overflow Drain 110	110	5°	500	300 x 300
14 21 920	Rhenofol Emergency Overflow Drain 200 x 100	210 x 110	2°	500	360 x 230
14 21 930	Rhenofol Emergency Overflow Drain 300 x 100	310 x 110	2°	500	460 x 230
14 21 940	Rhenofol Emergency Overflow Drain 450 x 100	460 x 110	2°	500	610 x 230
14 21 950	Rhenofol Emergency Overflow Drain 600 x 100	610 x 110	2°	500	760 x 230
14 21 830	Rhenofol Emergency Overflow Drain, Special type	acc. to specifications ¹⁾	2°	acc. to specifications ¹⁾	acc. to specifications ¹⁾

¹⁾ Request order form.



The FDT Emergency Overflow Drain with a straight tray—the exact installation height is determined by the drainage calculation.



Standard dimensions

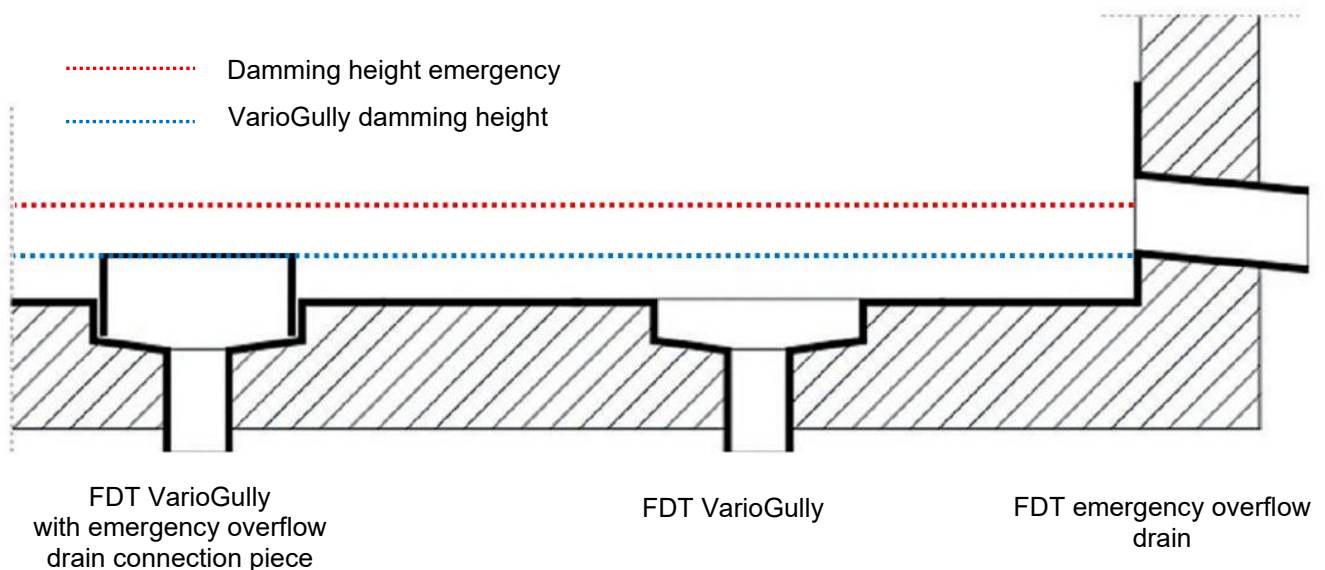
Emergency Overflow Drain (round)	
D1	75 mm/110 mm
a	300 mm
l	500 mm
t	3.0 mm
Pipe slope	5°

Emergency drainage (angular)	
l	500 mm
h	100 mm
b	200, 300, 450, 600 mm
t	4 mm
d	5 mm
ü	80 mm
ü1	50 mm
Slope	2°

Flow rate (damming height in mm)

Designation	20 mm	25 mm	30 mm	35 mm	40 mm	45 mm	50 mm
FDT Emergency Overflow Drain 75	0.3	0.4	0.5	0.7	0.8	1.0	1.1
FDT Emergency Overflow Drain 110	0.4	0.6	0.8	1.0	1.3	1.5	1.8
FDT Emergency Overflow Drain 200 x 100	0.7	1.0	1.4	1.7	2.1	2.5	2.9
FDT Emergency Overflow Drain 300 x 100	1.1	1.6	2.1	2.6	3.2	3.8	4.4
FDT Emergency Overflow Drain 450 x 100	1.7	2.3	3.1	3.9	4.7	5.7	6.6
FDT Emergency Overflow Drain 600 x 100	2.2	3.1	4.1	5.2	6.3	7.5	8.8

Damming heights for drainage and emergency drainage



Total damming height = gully damming height + emergency drainage damming height
 The permissible "total damming height" depends on the structural design.

Storage

Keep dry in its original packaging.

Shelf life

Unlimited, provided it is stored correctly.

Packaging and disposal

Disposal codes/Waste code: 17 02 03 (plastics)

Precautions and health and safety

General safety regulations must be observed.

Transport

General safety regulations must be observed.

Please note: As our products are constantly evolving, please contact our technical department or visit www.fdt.de for the latest information on our products.

Legal Notice:

We refer emphatically to the fact, that all details mentioned, especially the application and utilization recommendation for the products and their system accessories, have been developed under normal conditions, and based on our knowledge and experience. Appropriate storage and usage of the products are assumed. A warranty or reliability of a finished project cannot be deduced because of varying materials, substrates and differing work conditions, neither by any indications nor from verbal statements, irrespective of any legal positions. For the possible accusation that FDT acted intentionally or grossly negligent, the user has to supply evidence that they provided FDT with all information and details necessary for an appropriate and correct evaluation through FDT in written form, immediately available and complete. The user is responsible for ensuring that the products are suitable for the given application. It is FDT's right to change product specifications without notice. Property rights of third parties are to be considered. In addition, our particular sales and delivery terms are valid. The latest version of our product data sheet is obligatory, which can be requested directly through FDT. All information as well as all technical and drawing data comply with current technical standards and are based on our experience. National standards and regulations must be observed.

Technical changes reserved. As of 5th January 2026 | © 2026 FDT Flachdach Technologie GmbH, Mannheim, Germany