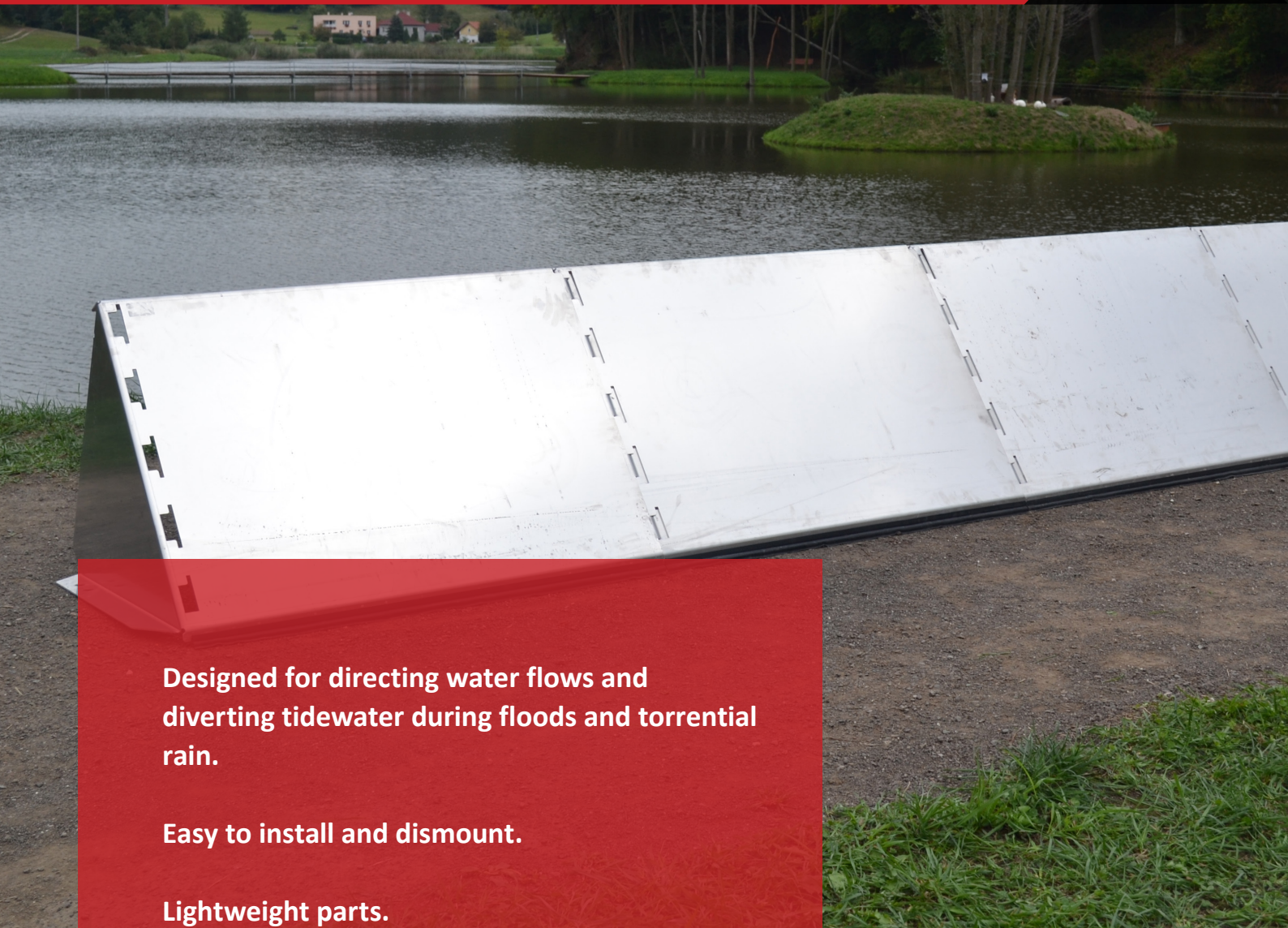


FLOM H500

MOBILE FLOOD PROTECTION



Designed for directing water flows and diverting tidewater during floods and torrential rain.

Easy to install and dismount.

Lightweight parts.

Does not require any underlying structure, is easily portable and can be placed on a wide range of surfaces (grass, gravel, asphalt, even in water).



ECONOMICAL SOLUTION

No need to build an underlying structure, requires only a one-time investment – designed for repeated use, easy to store, no expenses for disposal after contact with water like with sandbags.

QUICK INSTALLATION

Easy to install and dismount. Low weight of the parts makes handling and assembly easy. The barrier can be raised on a wide range of surfaces – grass, gravel, asphalt, even in water.

PROVEN QUALITY

The barrier has passed stress tests against impact from flood waves and floating objects. Certified and tested in laboratories and in real conditions.



FLOM VS. SANDBAGS



FLOM vs. sandbags - barrier with length of 100 m and height of 0.5 m, the listed values are an approximate

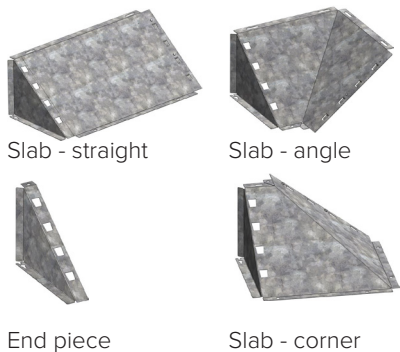
	FLOM H500	Sandbags
Total weight of the barrier	910 kg	40 t
Volume	5 m ³	30 m ³
Requirements for assembly	3 people, 30 minutes	11 people, 5 hours
Removal	Requires similar procedure and time as for assembly	Time-consuming
	Wash the system with clean water and place it in storage.	Eco-friendly disposal of contaminated sand and bags.
	Eco-friendly disposal of the sheet only	Heavy machinery likely required
Lifespan	Reusable	One-time use
Investment	One-time investment	Repeated investment (bags and sand)



PRODUCT DESCRIPTION

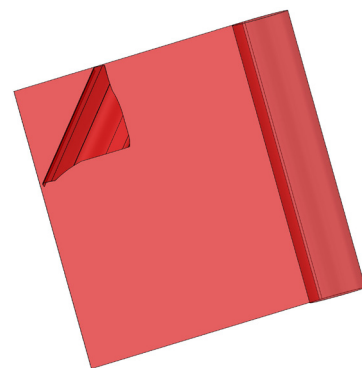
SLAB

The slab is made of galvanized metal sheet, stainless steel or aluminium alloy (EN AW 5754) resistant to seawater. The slabs are fitted with FLOM connecting locks for quick and easy interconnection.



SHEET

Prevents undermining of the barrier. It is weighted down at the bottom with chains and soil and attached at the top to the barrier via fastening clips. It is the only component of the system that is designed for one-time use.



SECURING CLIP

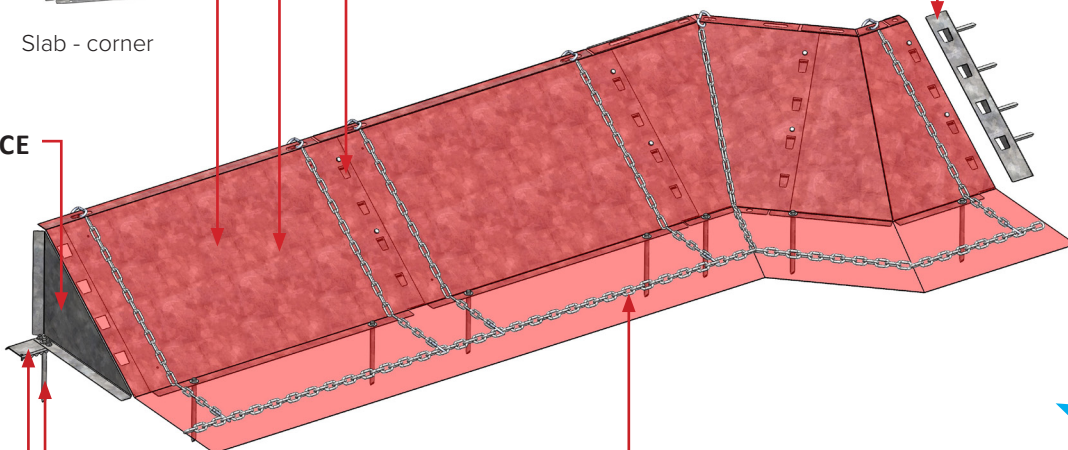
Used to attach the foil.



CONNECTING SLOT

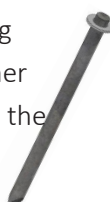
END PIECE ON THE WALL

END PIECE



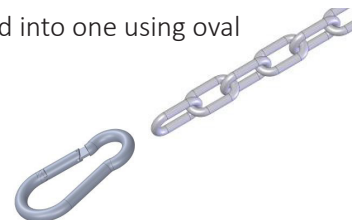
HAMMER ANCHORS

Prevent the barrier from moving due to water pressure. A hammer anchor is also used for securing the weight chain.



WEIGHT CHAIN

Is used as a weight. After the foil is unrolled, the chain is placed on it and thus prevents it from rising after the arrival of water. The chains are connected into one using oval carabiners.

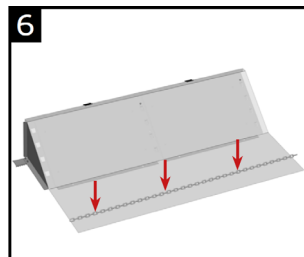
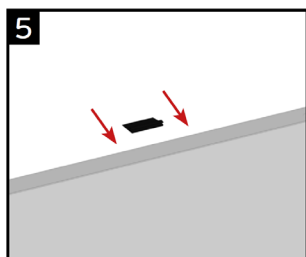
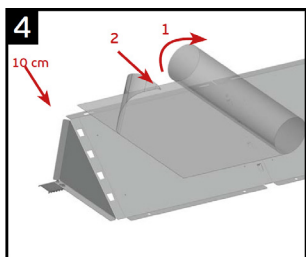
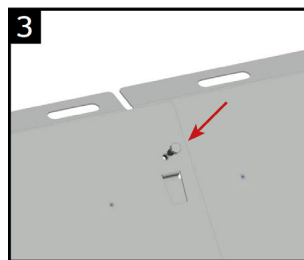
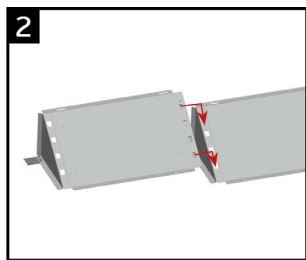
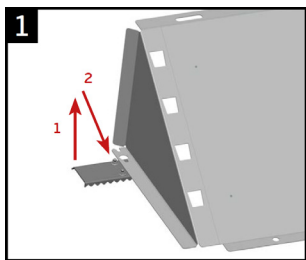


SEATING BASE

The seating base ensures the stability of the barrier on various surfaces and adapts to the terrain.



QUICK INSTALLATION IN A FEW STEPS



Connecting a slab to
aseating base.
↓
Connecting a
neighbouring slab via
the special FLOM locks.
↓
Attaching the sheet at
the top with a securing
clip and weighting it
down at the bottom with
a weight chain.



Storage in a container



Storage on pallet

STORAGE

All components are designed so that their storage is easy and affordable. The entire system can be transported to the place of installation independently on special pallets, wooden pallets or in storage containers. A single special pallet can hold up to 46 straight slabs, which can be assembled into a barrier 65 linear meters long.

MAINTENANCE

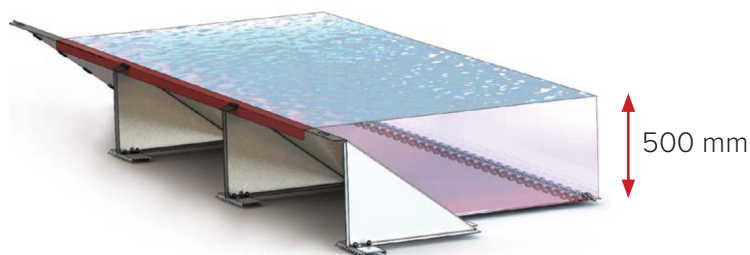
There is no need to dispose of the barrier after use. Simply wash it with clean water and put it back in storage.



TECHNICAL SPECIFICATION

Height of water column	500 mm
Dimensions (length × height × width)	1565 × 935 × 455 mm
Corner piece (length × height × width)	30° 995 × 890 × 420 mm
	45° 950 × 900 × 450 mm
	90° 1000 × 940 × 500 mm
Material	galvanised steel (FE Zn) (FE Zn))
	aluminium alloy (EN AW 5754 H22) (EN AW 5754 H22)
	stainless steel (316 L)
Number of linear meters of the system on one pallet	65 m (46 pcs straight slabs)
Pallet stackability	max. 2 pallets

WEIGHTS OF THE PARTS BASED ON MATERIAL



ALUMINIUM	
Straight piece	13 kg
Corner / angle piece 30°	8 kg
Corner / angle piece 45°	8 kg
Corner / angle piece 90°	10 kg

GALVANISED STEEL	
Slab – straight piece	26 kg
Corner / angle piece 30°	16 kg
Corner / angle piece 45°	15 kg
Corner / angle piece 90°	20 kg

STAINLESS STEEL	
Slab – straight piece	26 kg
Corner / angle piece 30°	16 kg
Corner / angle piece 45°	15 kg
Corner / angle piece 90°	20 kg

System is an ideal solution for regions, cities or river basins. Storage in containers or on system pallets enables quick activation according to the current need in threatened areas. FLOM is also suitable for emergency services, or for industrial enterprises and warehouses to protect industrial zones.



Testing in our testing canal



Assembling of our system



The assembled FLOM H500 system protects against water

022022.0198EN

Other flood protection solutions on offer:

- | | | | | | | | |
|-----------------------------|-------------------------|----------------|-------------------------|--------------------|-------------------------------|------------------------|----------------------------------|
| | | | | | | | |
| MOBILE BARRIER:
INOVA AL | MOBILE BARRIER:
FLOM | PASSIVE
DAM | WATERTIGHT DOOR:
PPD | WATERTIGHT
GATE | ANTI-CONTAMINATION
BARRIER | MOBILE BARRIER:
JPZ | ATYPICAL
WATERTIGHT SOLUTIONS |