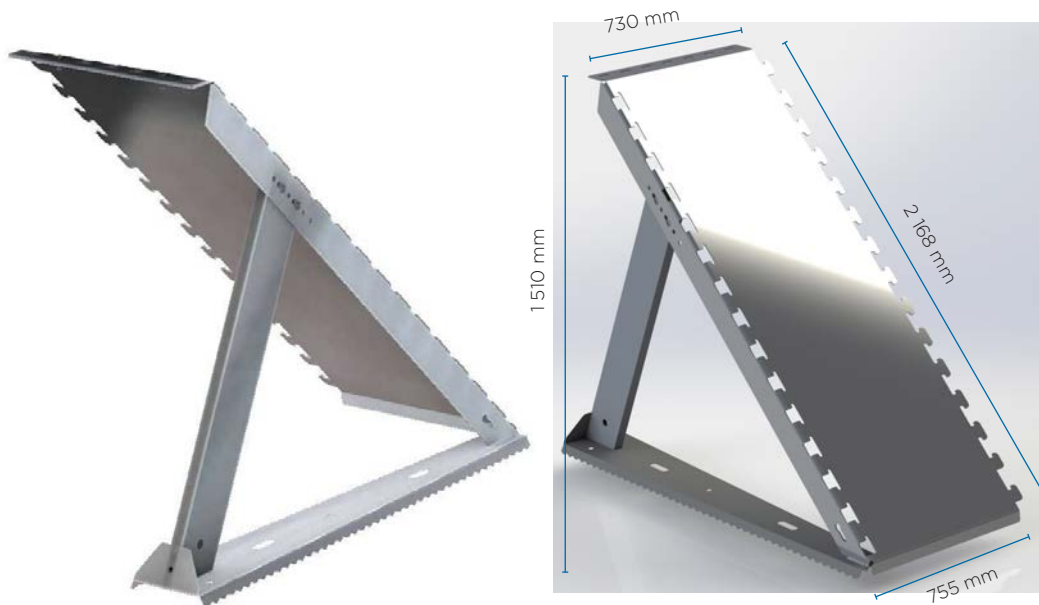


INERO™

TECHNICAL SPECIFICATION

INERO FLOOD BARRIER H150



Height: 151 cm – to stop water levels up to 151 cm

BARRIER SECTION

Material	Seawater-resistant T = 5 mm marine-grade aluminium EN-AW-5754 H2
Dimensions	2 168 x 755 mm Plus a 103 mm lip on one short side and a 121 mm lip on one long side.
Weight	24,96 kg

SUPPORT LEG

Material	MAGNELIS S350GD+ZM310 T = 1,5 mm
Dimensions	1 296 x 180 x 40 mm
Weight	5,6 kg

FOOT BEAM

Material	FZV DX51D+Z275 T = 1,5 mm
Dimensions	1 774 x 330/230 mm
Weight	7.4 kg

CORNER SECTION

	Three 30° corners make a 90° corner
Material	Seawater-resistant T = 5 mm marine-grade aluminium EN-AW-5754 H22
Weight per complete section H150	37,96 kg

TOTAL WEIGHT

per complete section/per meter	36,12 kg/50,3 kg
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MEMBRANE

Material	polyethylene membrane
Dimensions membrane	2 x 1 850 x 0,3 mm
No. of meters per roll	25 lpm
Dimensions roll	1 350 mm x 120 mm
Weight per roll	Ca. 25 kg
Other	UV proof, special mix to stay "soft" and strong even when low temperatures

HEAVY CHAIN

Length per galvanized chain	5 meters
Weight	15 kg/pcs
Other	Includes a carabinier to facilitate fixation of the chain

STEEL PALLETS & STORAGE

Material	Galvanized steel
Dimensions steel pallet 1 (25 m of barrier)	2 300 mm x 1 100 mm x 1 000 mm
Weight per pallet:	1 370 kg
Dimensions steel pallet 2 (heavy chains 400 m)	1 500 mm x 1 000 mm x 600 mm
Weight per pallet	1 200 kg
Stackable pallets for chain:	Yes 5 high
Storage – floor space	1 pallet: 2,5 m ² , 2 pallets: 2,5 m ² Double stacked
No of meters of barrier in one 20 ft container	6 pallets x 25 mts, total 150 m (excl. extensions)

SECURITY AND CERTIFICATION

Independent test institute*	Wasserbau Institute, Harburg, Germany HS Wallingford, Wallingford, UK Swedish Authorities MSB, Karlstad, Sweden. Products tested: H80 and H100.
Load test	Yes, without any deformation
Leakage rate	Yes, < 40 liters/meter/hour
Long term leakage rate, 22 hrs	Yes, < 40 liters/meter/hour
Overtopped in test	Yes, with remained stability
Impact test, weight	Log 225 kg, Log 400 kg
Impact test, velocity	1,5 m/s, 2 m/s, 2,5 m/s
Impact test, results	No loss of functionality detected, system remained stable after all impacts
Wave test	HR Wallingford, UK
Simulation	Yes, separate report Veproxx Sweden, Uniso Technologies Sweden
Safety factor	H150, SF=2,10
Friction Coefficient	The friction coefficient between the barrier and the tarpaulin is assumed to 0.15
Tensile strength per quick connectors	1 100 N
No. of quick connectors	15 per section
The system tested in real situation	YES, several times in Sweden, UK, Germany, Balkan

* The tests were carried out on the H100 model.

INSTALLATION

Installation without any extra substructures nor special tools	YES, only need of a hand tool as a spanner
Time for installing 100 meters of barrier (by 6 people)	1 hrs
Installation on different types of substrates (asphalt, soil, grass, gravel, concrete)	Yes

Producer and head office In Sweden

Distributor for Canada



INERO™
FLOOD PROTECTION

www.inero.se



www.lnerofloodprotection.com