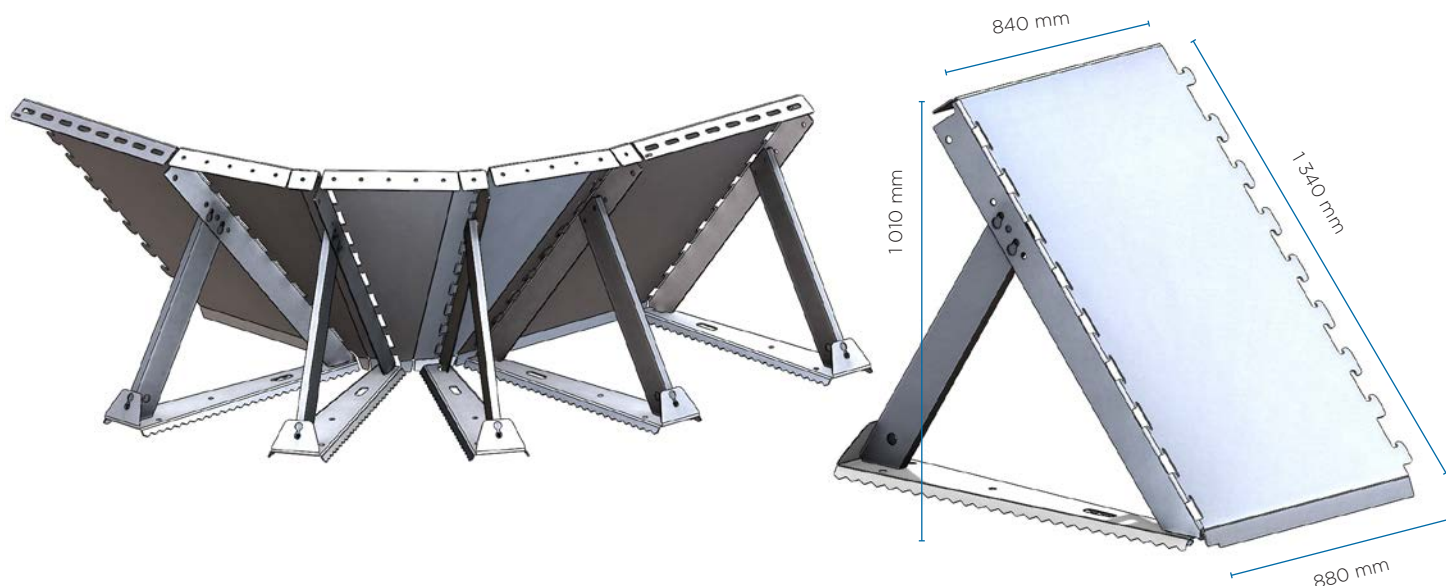


# INERO™

## TECHNICAL SPECIFICATION

### INERO FLOOD BARRIER H100



Height: 101 cm - to stop water levels up to 101 cm

#### BARRIER SECTION

<b>Material</b>	Seawater-resistant 4 mm marine-grade aluminium EN-AW-5754 H22
<b>Dimensions</b>	L=1340 x W=880 mm. Plus a 90 mm lip on one short side and a 110 mm lip on one long side
<b>Weight</b>	14.4 kg

#### SUPPORT LEG

<b>Material</b>	Aluminium profile
<b>Dimensions</b>	873 x 120 x 20 mm
<b>Weight</b>	1.4 kg

#### FOOT BEAM

<b>Material</b>	1,5 mm steel Magnelis
<b>Dimensions</b>	1 125 x 250/150 mm
<b>Weight</b>	3.7 kg

#### TOTAL WEIGHT

<b>Total weight per complete section/per meter</b>	19.3/22.4 kg
<b>Total number of barrier sections/100 m</b>	116 pcs



**INERO™**  
FLOOD PROTECTION

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<b>CORNER SECTION</b>	Three 30° corners make a 90° corner
<b>Material</b>	Seawater-resistant 4 mm
<b>Dimensions</b>	1 321 x 845/450 x 4 mm OUTER 1 321 x 803/450 x 4 mm INNER
<b>Weight</b>	8.9 kg OUTER 8.8 kg INNER

<b>MEMBRANE</b>	
<b>Material</b>	polyethylene membrane
<b>Dimensions membrane</b>	2 x 1350 x 0.25 mm
<b>No. of meters per roll</b>	30 lpm
<b>Dimensions roll</b>	1350 mm x 120 mm
<b>Weight per roll</b>	16 kg
<b>Other</b>	UV proof, special mix to keep "soft" and strong in all weather situation, incl. cold temperatures.

<b>HEAVY CHAIN</b>	
<b>Dimensions per chain</b>	5 m x 12 mm
<b>Weight</b>	15 kg (3 kg/m)
<b>Other</b>	Includes a carabiner to facilitate fixation of the chain

<b>STEEL PALLETS &amp; STORAGE</b>	
<b>Material</b>	Galvanized steel
<b>Dimensions steel pallet 1 (barrier)</b>	1500 mm x 1020 mm x 1220 mm
<b>No. meters per pallet</b>	50 m
<b>Storage space for 100 m</b>	3.5 m <sup>3</sup>
<b>Weight per pallet</b>	1300 kg
<b>Dimensions steel pallet 3 (heavy chains)</b>	1500 mm x 1000 mm x 600 mm
<b>Weight per pallet</b>	1200 kg
<b>Stackable pallets</b>	Yes

<b>SECURITY AND CERTIFICATION</b>	
<b>Independent test institute</b>	Wasserbau Institute, Harburg, Germany HS Wallingford, Wallingford, UK
<b>Load test</b>	Yes, without any deformation
<b>Leakage rate</b>	Yes, < 40 liters/meter/hour
<b>Long term leakage rate, 22 hrS</b>	Yes, < 40 liters/meter/hour
<b>Overtopped in test</b>	Yes, with remained stability
<b>Impact test, weight</b>	Log 225 kg, Log 400 kg
<b>Impact test, velocity</b>	1.5 m/s, 2 m/s, 2.5 m/s
<b>Impact test, results</b>	No loss of functionality detected, system remained stable after all impacts
<b>Wave test</b>	HR Wallingford, UK
<b>Simulation</b>	YES, separate report VeproX, Sweden, Uniso Technologies, Sweden
<b>Safety factor</b>	2.,7
<b>Tensile strength per quick connectors</b>	8000 N
<b>No. of quick connectors</b>	8 per section
<b>Total tensile strength between the section</b>	64 000 N
<b>Tested in real situation</b>	YES, several times in Sweden, UK, Germany, Balkan

<b>INSTALLATION</b>	
<b>Installation without any extra substructures nor special tools</b>	YES, only need of a hand tool as a spanner
<b>Time for installing 100 meters of barrier (by 4 people) H100</b>	1 hrs
<b>Installation on different types of substrates (asphalt, soil, grass, gravel, concrete)</b>	Yes