

# INERO™

## TECHNICAL SPECIFICATION

### INERO FLOOD BARRIER H80



Height: 81 cm - to stop water levels up to 81 cm

#### BARRIER SECTION

**Material**

Seawater-resistant 3 mm marine-grade aluminium EN-AW-5754 H22

**Dimensions**

L=1010 x W=890 mm. Plus a 90 mm lip on one short side and a 110 mm lip on one long side

**Weight**

8,4 kg

#### SUPPORT LEG

**Material**

Aluminium profile

**Dimensions**

715 x 120 x 20 mm

**Weight**

1 kg

#### FOOT BEAM

**Material**

1,5 mm steel Magnelis

**Dimensions**

783 x 174 mm

**Weight**

1,7 kg

#### TOTAL WEIGHT

**Total weight per complete section/per meter**

11,4 kg/12,84 kg

**Total number of barrier sections/100 m**

116 pcs



**INERO™**  
FLOOD PROTECTION

www.inero.se

<b>CORNER SECTION</b>	Three 30° corners make a 90° corner
<b>Material</b>	Seawater-resistant 3 mm
<b>Dimensions</b>	1010 x 820 x 3 mm OUTER 1010 x 620 x 3 mm INNER
<b>Weight</b>	4,65 kg OUTER 3,5 kg INNER

<b>MEMBRANE</b>	
<b>Material</b>	polyethylene membrane
<b>Dimensions membrane</b>	2 x 1100 x 0,25 mm
<b>No. of meters per roll</b>	30 lpm
<b>Dimensions roll</b>	1100 mm x 120 mm
<b>Weight per roll</b>	17 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 1000 mm x 1100 mm
<b>No. meters per pallet</b>	100 m
<b>Storage space for 100 m</b>	1,5 m <sup>2</sup>
<b>Weight per pallet</b>	1500 kg
<b>Dimensions steel pallet 2 (heavy chains)</b>	1500 mm x 1000 mm x 600 mm
<b>Weight per pallet</b>	1200 kg
<b>Stackable pallets</b>	Yes

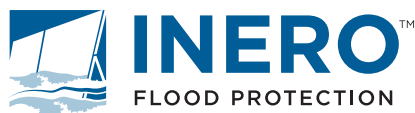
<b>SECURITY AND CERTIFICATION</b>	
<b>Independent test institute*</b>	Wasserbau Institute, Harburg, Germany HS Wallingford, Wallingford, UK
<b>Load test*</b>	Yes, without any deformation
<b>Leakage rate*</b>	Yes, < 40 liters/meter/hour
<b>Long term leakage rate, 22 hrs*</b>	Yes, < 40 liters/meter/hour
<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>Tested in real situation</b>	YES, several times in Sweden, UK, Germany, Balkan

\*The tests were carried out on the H100 model. The H80 model has been tested by the Swedish Civil Contingencies Agency (MSB).

<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) H80</b>	1 hrs
<b>Installation on different types of substrates (asphalt, soil, grass, gravel, concrete)</b>	Yes

Producer and head office In Sweden

Distributor for Canada



[www.inero.se](http://www.inero.se)



[www.Inerofloodprotection.com](http://www.Inerofloodprotection.com)