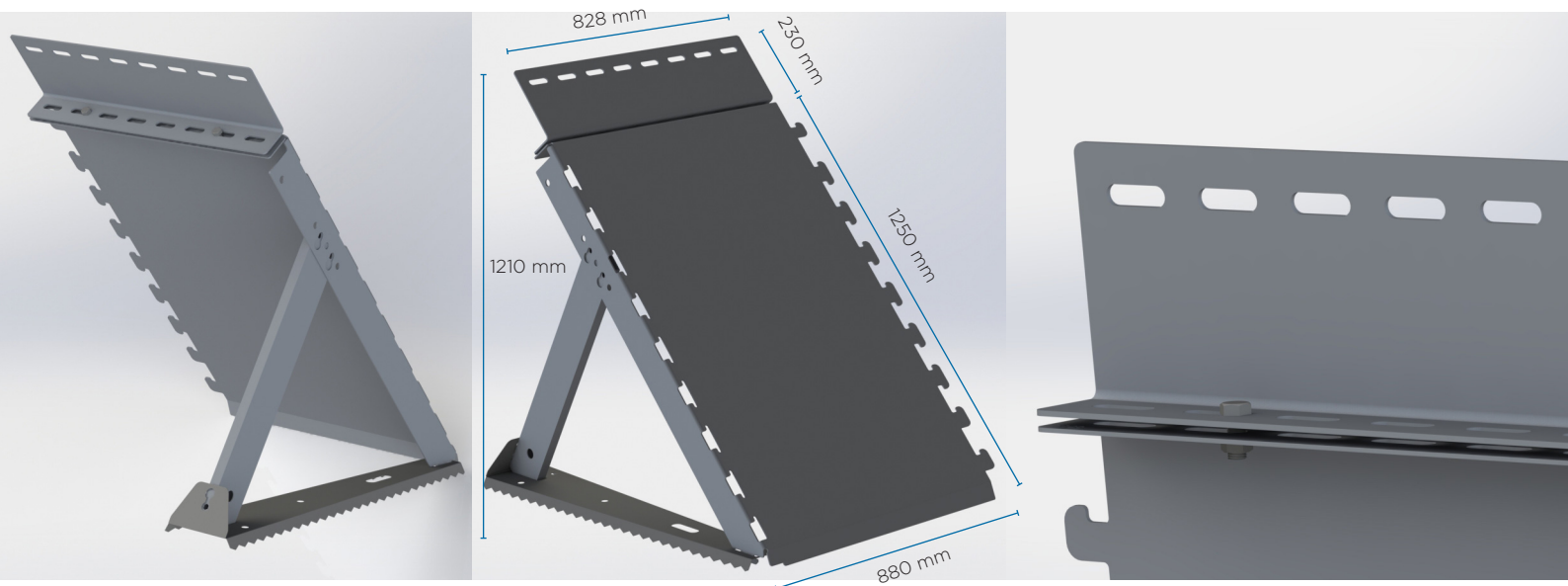


INERO™

TECHNICAL SPECIFICATION

INERO FLOOD BARRIER H100+20



Height: 121 cm - to stop water levels up to 121 cm

BARRIER SECTION

| | |
|-------------------|---|
| Material | Seawater-resistant 4 mm marine-grade aluminium EN-AW-5754 H22 |
| Dimensions | L=1250 x W=880 mm. Plus a 90 mm lip on one short side and a 110 mm lip on one long side |
| Weight | 14.6 kg |

EXTENSION

| | |
|-------------------|---|
| Material | Seawater-resistant 4 mm marine-grade aluminium EN-AW-5754 H22 |
| Dimensions | L=230 x W=828 mm |
| Weight | 2,6 kg |

SUPPORT LEG

| | |
|-------------------|-------------------|
| Material | Aluminium profile |
| Dimensions | 873 x 120 x 30 mm |
| Weight | 2.1 kg |

FOOT BEAM

| | |
|-------------------|-------------------------------|
| Material | 4.0 mm marine-grade aluminium |
| Dimensions | 1 125 x 250/150 mm |
| Weight | 2.6 kg |

TOTAL WEIGHT

| | |
|--|--------------------|
| Total weight per complete section/per meter | 21,90 kg/ 24,90 kg |
| Total number of barrier sections/100 m | 116 pcs |



INERO™
FLOOD PROTECTION

www.inero.se

| | |
|-----------------------|--|
| CORNER SECTION | Three 30° corners make a 90° corner |
| Material | Seawater-resistant 4 mm |
| Dimensions | 1 321 x 845/450 x 4 mm OUTER 1 321 x 803/450 x 4 mm INNER |
| Weight | 8,9 kg OUTER 8,8 kg INNER |

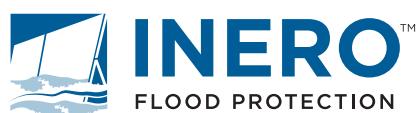
| | |
|-------------------------------|--|
| MEMBRANE | |
| Material | polyethylene membrane |
| Dimensions membrane | 2 x 1350 x 0,25 mm |
| No. of meters per roll | 30 lpm |
| Dimensions roll | 1350 mm x 120 mm |
| Weight per roll | 20 kg |
| Other | UV proof, special mix to keep "soft" and strong in all weather situation, incl. cold temperatures. |

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

| | |
|---|-----------------------------|
| STEEL PALLETS & STORAGE | |
| Material | Galvanized steel |
| Dimensions steel pallet 1 (barrier) | 1500 mm x 1000 mm x 1100 mm |
| No. meters per pallet | 50 m |
| Storage space for 100 m | 3,5 m ³ |
| Weight per pallet | 1300 kg |
| Dimensions steel pallet 2 (extensions) | 1500 mm x 1000 mm x 1100 mm |
| Weight per pallet | 1200 kg |
| Dimensions steel pallet 3 (heavy chains) | 1500 mm x 1000 mm x 600 mm |
| Weight per pallet | 1200 kg |
| Stackable pallets | Yes |

| | |
|---|---|
| SECURITY AND CERTIFICATION | |
| Independent test institute | Wasserbau Institute, Harburg, Germany HS Wallingford, Wallingford, UK |
| 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 VeproX, Sweden, Uniso Technologies, Sweden |
| Safety factor | 2,7 |
| Tensile strength per quick connectors | 8000 N |
| No. of quick connectors | 8 per section |
| Total tensile strength between the section | 64 000 N |
| Tested in real situation | YES, several times in Sweden, UK, Germany, Balkan |

| | |
|---|--|
| 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 4 people) H100 | 1 hrs |
| Time for installing 100 meters of extension (by 1 people) | 1 hrs |
| Installation on different types of substrates (asphalt, soil, grass, gravel, concrete) | Yes |



INEROTM
FLOOD PROTECTION

www.inero.se