

WATER VERSUS WATER

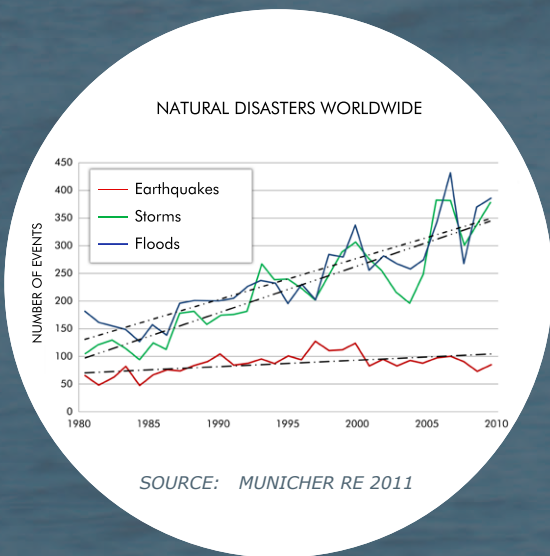


BOXBARRIER[®]
PREVENT FLOODING, SAVE TIME AND MONEY

FLOODING DEVENTER 2011

Worldwide increase of flood events

The number and extent of natural disasters is increasing. These are often weather related disasters, such as hurricanes and floods. In recent years the consequences of flooding worldwide are broadcasted on a weekly basis in areas like Eastern Europe, Pakistan, USA, Australia and Thailand. Due to climate change countries around the world are vulnerable to sea level rise and to larger river discharges. Climate change has also a negative effect on rainfall intensities.



BoxBarrier50

The BoxBarrier50 is a new temporary flood defence system, which can be deployed quickly and easily in case of emergency. The system uses water to retain flood water and prevent wave overtopping. The BoxBarrier can be used to temporary increase the height of a dike or quay but can also be deployed in flat terrain with the aim to retain water. The additional height of 50 cm is in most cases sufficient to prevent flooding of the hinterland.

Installation of 100 meter temporary flood defence system (installed within one hour) in six steps:





Quick facts BoxBarrier50

- Flood retaining height of 0.5 m
- Deployment of 100 m within 1 hour (team of 3 men)
- Compact shape (LxWxH = 0.9 x 0.6 x 0.6 m)
- Light weight, less than 9 kg
- Easy to handle in harsh conditions
- Easy to fill through opening in cover
- Bridge function
- No foundation required
- Storage and transport of 400 m BoxBarrier50 in one conventional 40 ft container

Replacement of the conventional sandbag

For ages sandbags have been used as flood protection in case of calamities. Installation of sandbags (25 kg) is time consuming and physically demanding. Installation of sandbags requires huge quantities of sand which have to be transported to locations which are difficult to access under extreme conditions.

Prevent flooding, save time and money. 100 meter flood barrier, installed within one hour!



4. Filling of Boxes



5. BoxBarrier retains water



6. Efficient storage after use



"The main advantages of the BoxBarrier50 are the fast deployment, efficient storage and easy handling".

Waterboard Rijnland

BoxBarrier wins Innovation Award Dutch Army

The Royal Dutch Army Corps of Engineers awarded the BoxBarrier their Innovation Award, "Golden Pioneer 2009".

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