

MOBILE FLOOD BARRIERS

INSTANT PROTECTION
OF YOUR HOME AND BUSINESS



- Top-quality flood-barriers you may afford
- A cutting-edge alternative to makeshift solutions
- Instant flood protection of residential and commercial buildings

CLIMATE CHANGE HAS BECOME A FACT

ONE OF THE CONSEQUENCES OF CLIMATE CHANGE IS THE INCREASED QUANTITY AND INTENSITY OF HEAVY RAINFALLS WHICH CONCENTRATE OVER A GIVEN AREA.

There are more and more heavy rains falling over a short period of time, which result in local flash-floods. Rapid rainfalls are especially damaging in urbanized areas with large surfaces that would not allow for water saturation.

If you are looking for an efficient and affordable solution to protect your real estate against flooding, the FloodWarden system would be a perfect choice! FloodWarden is a low in weight and easy to deploy, flexible flood-protection system, which you may have at a reasonable price. The mobile flood-protection barriers FloodWarden allow for fast and efficient prevention against flood damage, protecting houses, retail buildings and industrial sites.

FloodWarden fills the gap between the traditional and inefficient sand-bags and other makeshift solutions and the costly modular systems.



System FloodWarden

FloodWarden units are made of a PVC and fiberglass composite, sealed together to reinforce the profiles. Thanks to this technology, the material may be compared with light steel products, but with the weight, price and resistance to atmospheric conditions attributable to PVC – i.e. material used to manufacture window frames.

FLOODWARDEN IS AVAILABLE IN A NUMBER OF STANDARD DIMENSIONS THAT WOULD FIT IN THE MAJORITY OF ENTRANCES.

IT IS ALSO POSSIBLE TO ADJUST THE SIZE OF THE BARRIER TO MEET THE INDIVIDUAL REQUIREMENTS OF A GIVEN PROJECT.

FIXED ELEMENTS

1. Posts

The posts are made of PVC and their fixing method is individually adjusted to meet the requirements of a given project.

MOBILE ELEMENTS

2. Barrier beams

The type and length of the beams depends on the project and the pressure the system is intended to bear. Save from the ground beam equipped with ground seal, the beams are identical, which facilitates the assembly, since there is no need to fix them in any predefined order.

3. Seals

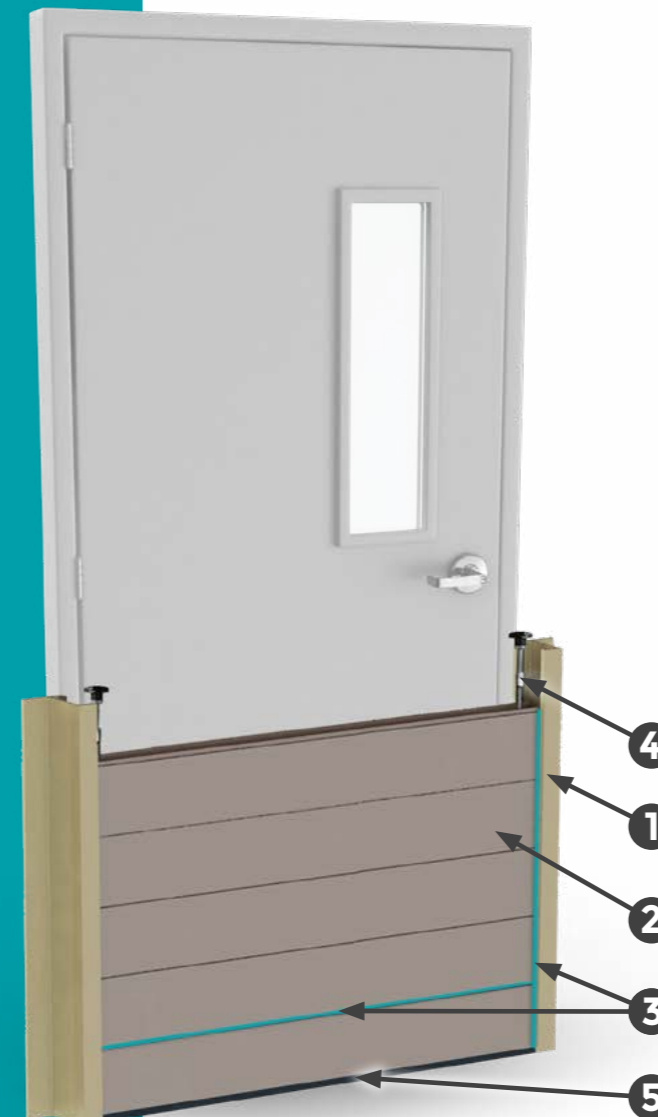
In all types of beams and posts disposable seals made of EPDM are used.

4. Compression keys

Compression keys are used to tightly press the beams to one another and seal the system together upon assembly.

5. The ground seal

Is fixed to the ground beam to prevent bottom leakage.



Advantages

FloodWarden is an affordable and efficient alternative to the available modular flood-protection solutions.

The system allows for the top-quality flood protection at a considerably lower price in comparison to similar mobile flood-protection systems. It is a cutting-edge alternative to other makeshift solutions

Investment in protection to save money

Continuity of your business

Easy to store

Instant deployment, without the need to use any additional equipment

Strong and light-weight solution

Individual approach

Long-lasting quality

PREVENTING THE RISK OF UNEXPECTED COSTS

Investment in protection to save money

The costs of repairing flood damage may be very high. The FloodWarden barriers are an economic, user-friendly and efficient entry protection dedicated to owners of residential, retail or office buildings.

Continuity of your business

Effective flood prevention offered by FloodWarden helps maintain the businesses operational, even during natural disasters. Entrepreneurs avoid situation where they have to incur fixed costs of running a business without generating any income.

USER-FRIENDLY AND EFFICIENT

Instant deployment, without the need to use any additional equipment

The FloodWarden barriers consist of fixed posts and adjusted to them horizontal beams assembled between the posts in emergency to form water-tight barrier. The pressure of water, additionally tightens the system. FloodWarden is a light-weight solution easy to self-deploy.

Strong and light-weight solution

FloodWarden is a cutting-edge, user-friendly and light-weight alternative to sand-bags. The FloodWarden barriers are reusable.

Easy to store

The system does not require any special storage systems.

COMPLETE OFFER

Individual approach

The installation method and the height of the barrier is individually adjusted to meet the project requirements. FloodWarden is manufactured upon order and the colour of the posts may be individually selected by the customer.

Long-lasting quality

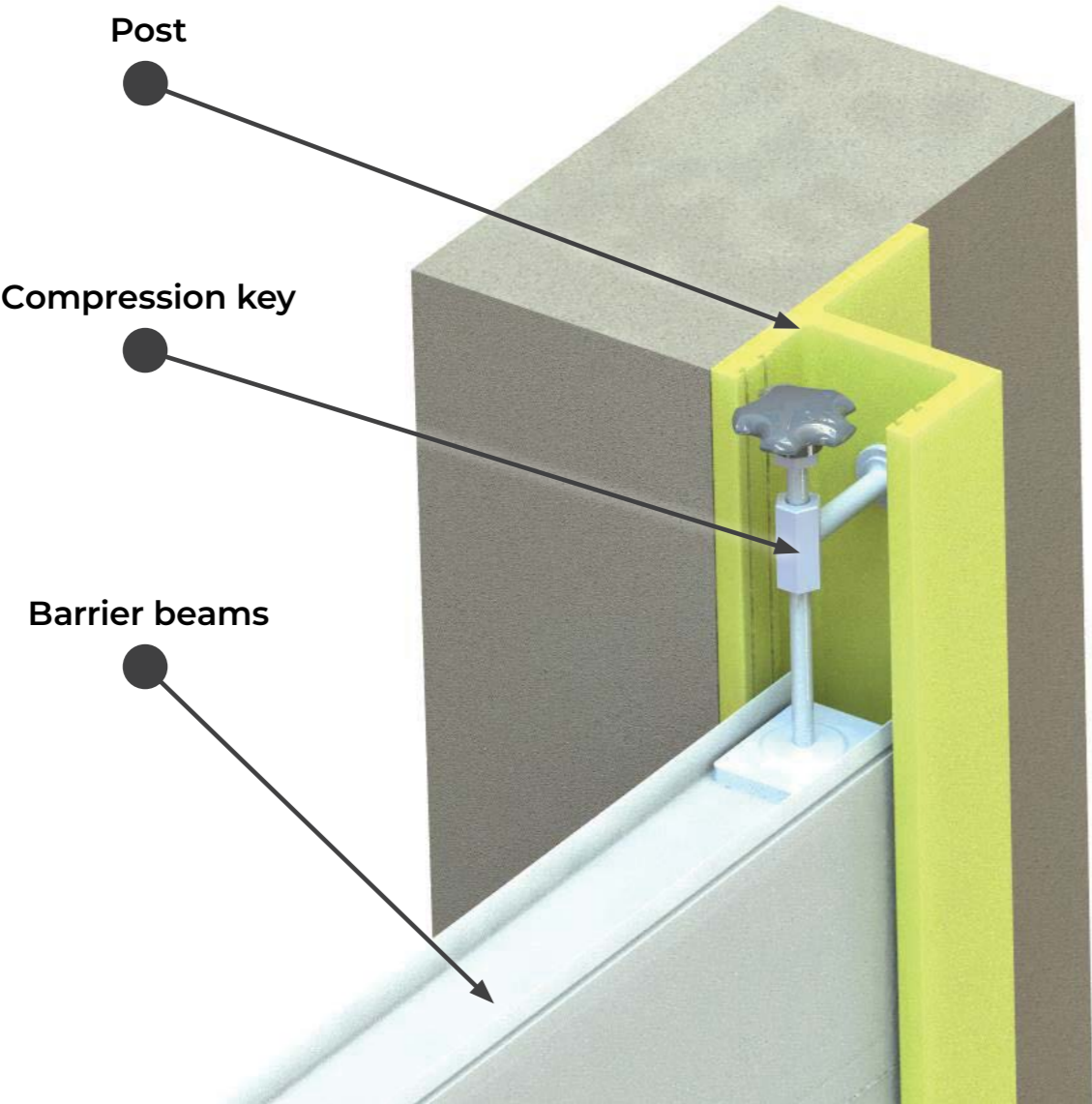
The only replaceable elements of the FloodWarden system are the seals. FloodWarden is a multi-use system.

FloodWarden
by Pietrucha

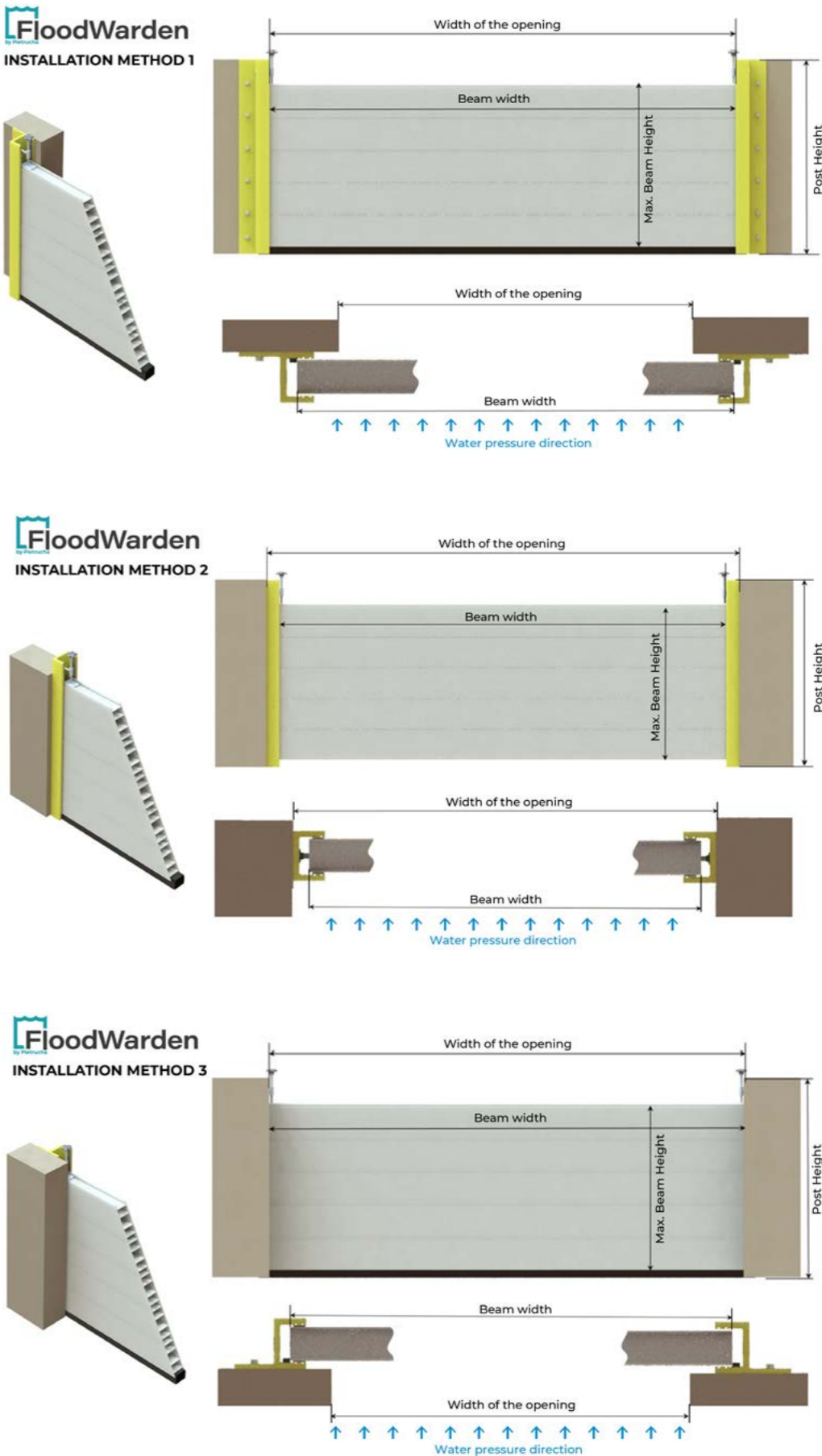
FloodWarden
by Pietrucha

Assembly

FloodWarden barriers consist of permanently installed fastening posts and horizontally fitted panels that are fitted to them, which are mounted only in case of danger.

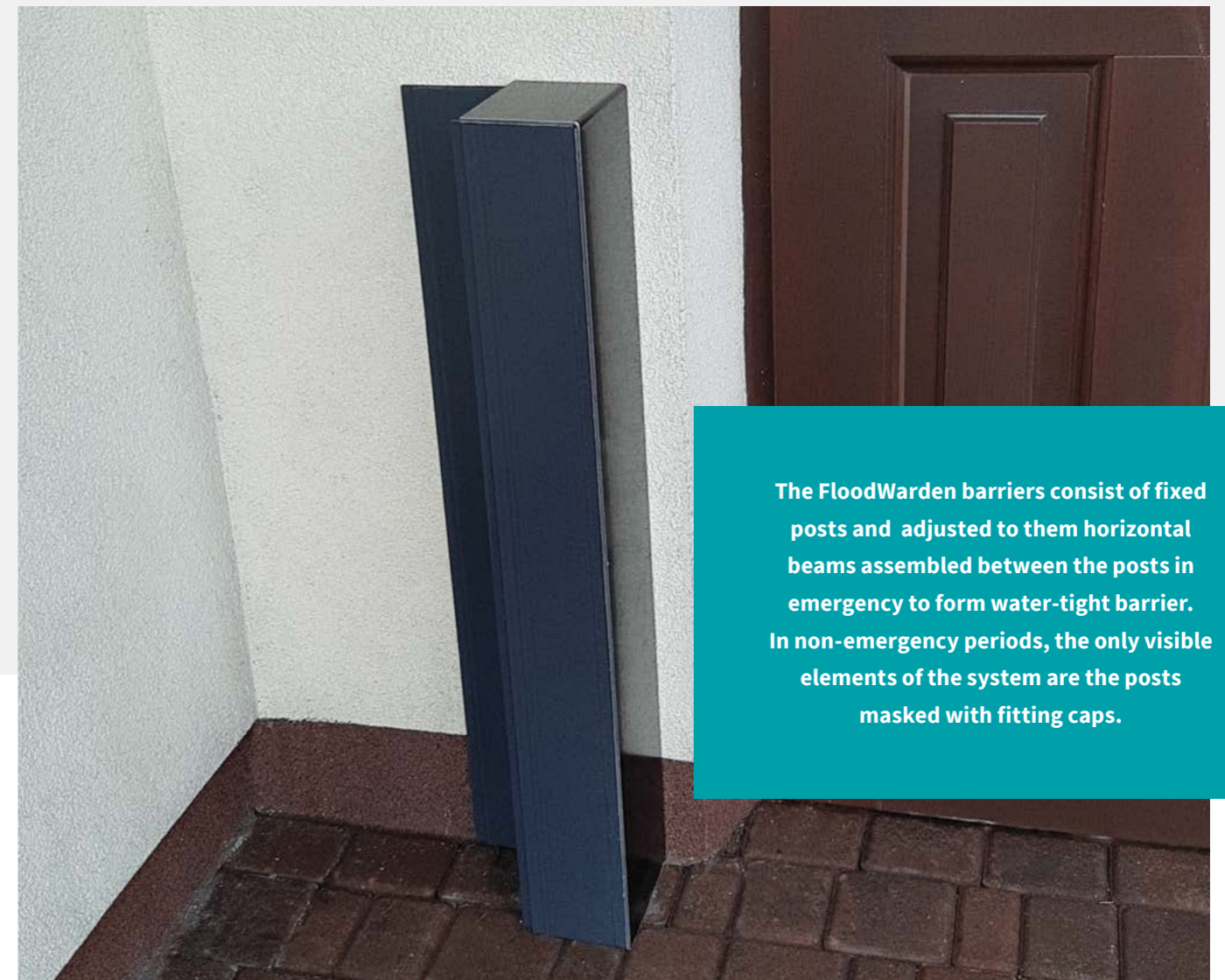
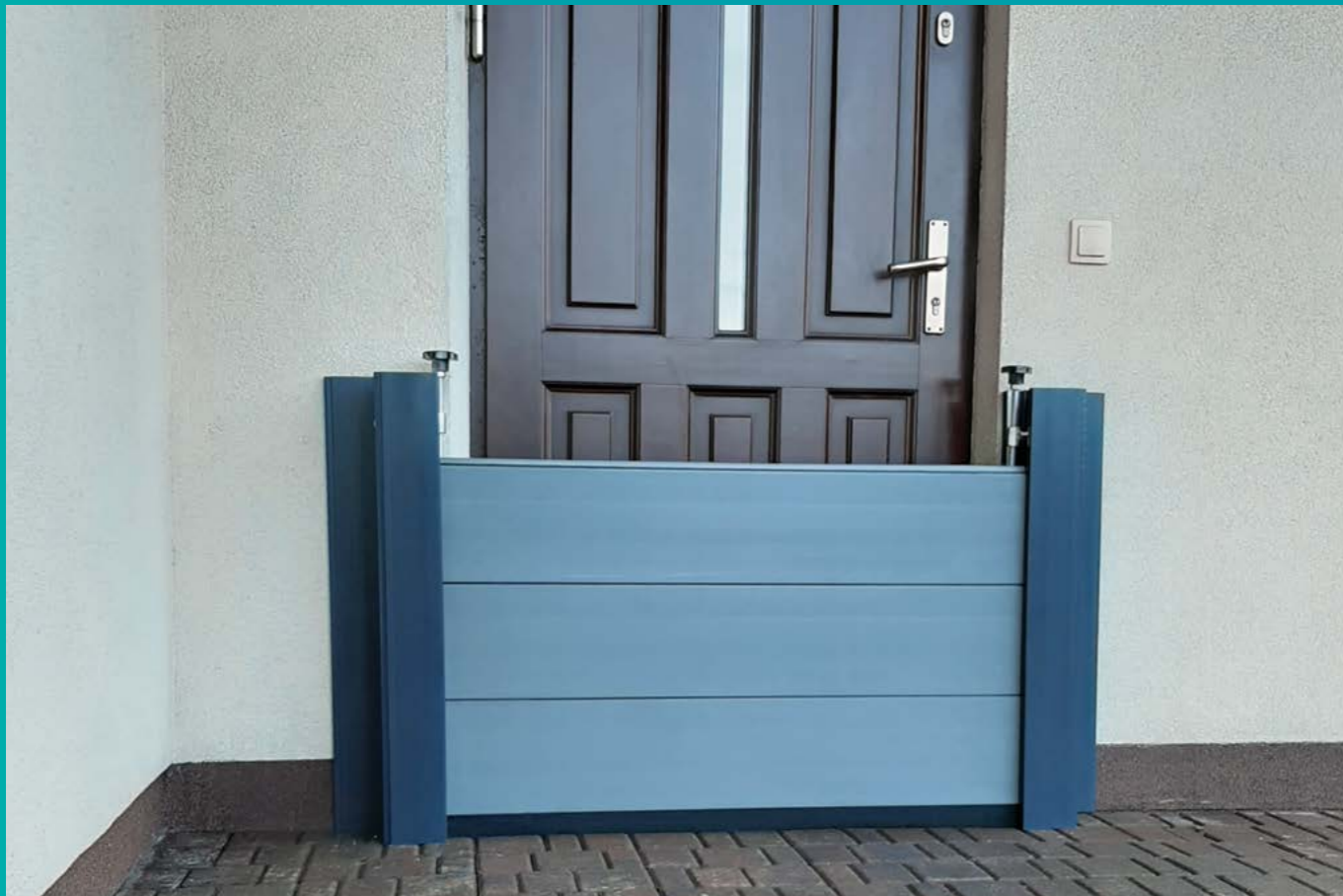


To guarantee the highest efficiency of the system, the installation method is selected out of the three available, to meet the requirements of the project.



Project: Flood-protection of a detached house.

Location: Kalisz, Central Poland | **Width:** 1000mm | **Height:** 600mm



The FloodWarden barriers consist of fixed posts and adjusted to them horizontal beams assembled between the posts in emergency to form water-tight barrier. In non-emergency periods, the only visible elements of the system are the posts masked with fitting caps.

Project: Flood-protection of garage gates of terraced houses.

Location: Będzin, Southern Poland | **Width:** 2800mm | **Height:** 600mm



Project: Flood-protection of a detached house.

Location: Łask, Central Poland | **Width:** 2800mm | **Height:** 800mm



Project: Flood-protection of a shopping centre.

Location: Katowice, Southern Poland | **Width:** 2500mm | **Height:** 400mm



Project: FloodWarden installed at an entrance to a real estate.

Location: Warszawa, 2020



Project: FloodWarden barriers will protect the underground garage at the Biology and Chemistry Research Centre of the University of Warsaw.

Location: Warszawa, 2020



Project: Eight flood-protection barriers were installed at a housing development in Southern Poland.
Location: Gliwice, 2020 | **Height:** 400mm



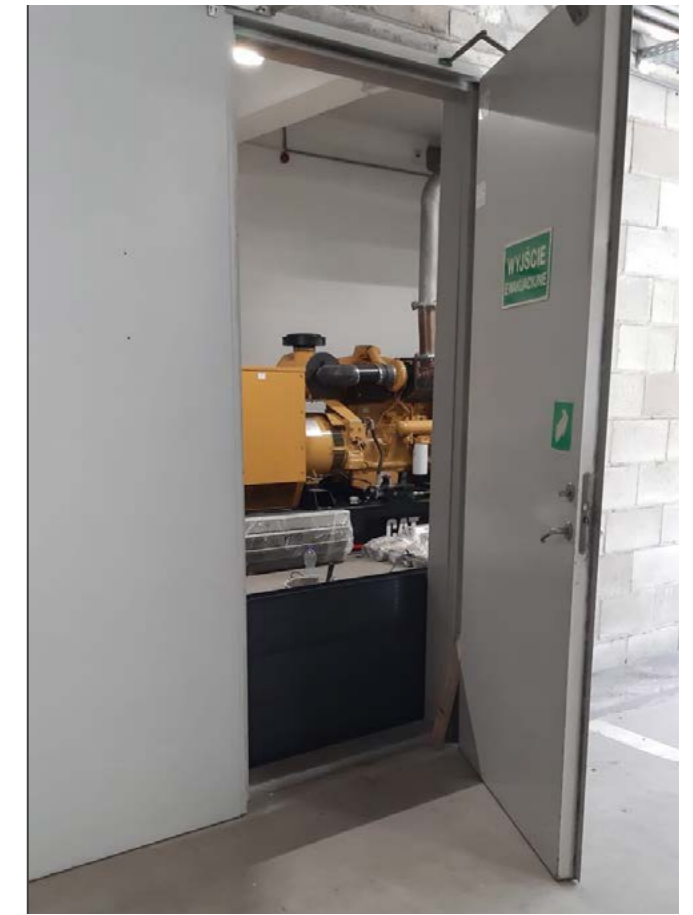
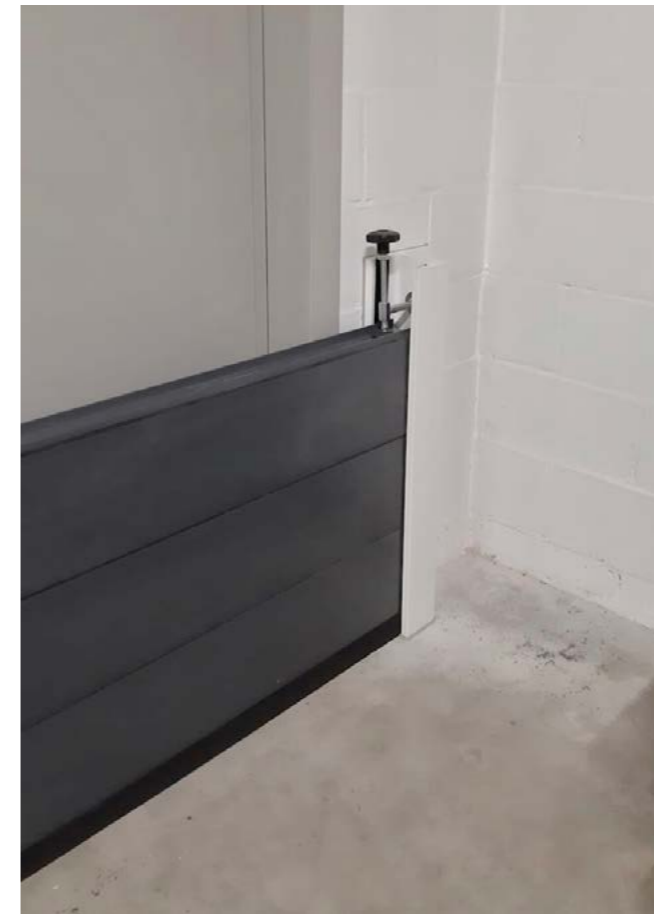
Project: FloodWarden will protect a garage at a detached house.
Location: Zgierz, 2020 | **Width:** 2800mm | **Height:** 200mm



Project: FloodWarden barriers installed at a shop entrance in Southern Poland.
Location: Starachowice, 2020 | **Width:** 2500mm | **Height:** 600mm



Project: IKEA - flood protection at an underground garage.
Location: Katowice, 2020



The Pietrucha Group – technology, cutting-edge materials, innovation. A family company since 1960.

The Pietrucha Group is a Polish family company with 60-years' history, specializing in the manufacturing and distribution of top-class geotechnical profiles widely used in civil-engineering.

We deliver our products to nearly 3500 customers, in 34 countries on 5 continents. Our solutions are applied in projects intended to tackle the climate change, as well as to protect water ecosystems and water reserves against floods, draughts and excessive use. We have 30 years strong track record in plastics processing and carrying out projects connected with optimizing and protecting the water reserves.

The FloodWarden barriers designed by Pietrucha may be used in residential, commercial and industrial buildings. It is a cutting-edge alternative to other makeshift solutions. FloodWarden is an affordable and efficient alternative to the available modular flood-protection solutions. The system allows for the top-quality flood protection at a considerably lower price in comparison to similar mobile flood-protection systems.

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