

## Protect your property from flooding and torrential rains

Our sacks are a new alternative to sand bags as a means of protection against floods. They can be used to build anti-flood barriers quickly and efficiently. They will prevent the water from entering the property (houses, garages, yards, wells, public and industrial buildings).

### Instructions for use

1. In case of need or emergency take out the sacks from the PVC packaging, immerse them into a container of water or spray them with a hose. The super-absorbent will soak up the water and will change its consistency into a gel-like form, thus increasing the volume of the sacks 35 times.
2. During the soaking process we recommend to apply some pressure on the sacks. This will speed up the water absorption. The sacks will be suitable for barrier construction within 5-10 minutes. In larger containers you can soak more sacks simultaneously and reduce the time for preparation and construction of the barrier.
3. The area where the barrier is to be constructed should be clean.

### Important Notice!

**The sacks should be placed with their longer side facing the water stream and the barrier should have a shape of a pyramid!**

This means that the width of the barrier should be at least 1,5 times its height.



**Protection of areas up to 100 cm wide**  
e.g. doors, cellars, wells, ...  
We recommend to use 1-chamber sacks.



**Protection of larger areas up to 300 cm wide**  
e.g. garages, terraces, yards...  
We recommend to use 2-chamber sacks.

## Dry out your property after flooding or water leaks

The sacks can be used to remove water from areas after flooding, leakages or other water emergencies (cellars, garages, bathrooms, industrial properties, roads).

### Instructions for use

In case of need or emergency take out the sacks from the PVC packaging and place them in a dry state in the flooded area. The sacks will absorb the water within a few minutes. We recommend to move the sacks from time to time to speed up the absorption process and to maximize the absorption capacity. After the usage you can dry the sacks and re-use them again!



### Natural drying of sacks and repeated usage.

Place or hang the sacks in a dry, well ventilated area protected from humidity and direct sunshine. Within a few weeks the water will evaporate and the sacks can be used again. The drying time depends on the temperature and air humidity (approx. 1-2 months).

### Rapid liquidation of sacks

Spray the sacks with a 5 – 10 % solution of Calcium Chloride. The sacks will be reduced back to their original size within 10-15 minutes. Then the sacks can be dried and burned. A 5% solution of Salt (Sodium Chloride) can be used as well.

### Gradual Liquidation of the Sacks

In case the absorbed water was not contaminated the contents of the sack (gel) can be mixed with soil (ratio: 1 part of gel - 50-100 parts of soil). This gel will improve the characteristics of the soil and its water binding capacity. Thanks to the effect of sunshine the gel will dissolve within few weeks into soil, water, carbon dioxide and nitrogen oxide.

### Storage

The sacks should be stored in the original PVC packaging at a dry and dark place. Their operating life-time is minimum 5 years. After each deployment the sacks should be dried properly and stored in a dark and dry place.

## Specs of the Sacks

Type	Dimensions of chambers: length x width (cm)	Weight (kg)		Time needed to reach max. absorption (min.)	Absorbion capacity (l)
		In dry state	In soaked state		
1- chamber	60 x 30	0,3	10	app 8	10
2 - chamber	70 x 55	0,5	15	app 5	14

### Evaluation / Certificates

- **European patent** granted by European Patent Office, Netherlands
- **Technical and toxicology certificate** issued by VUSAPL, Slovakia (certification body for certification products)
- **OECD test of the absorbent** (nontoxic for plants and soil) granted by absorbent supplier Evonik Nutrition & Care GmbH, Germany
- **Approval of usage by Firemen and Rescuers Department**, Ministry of Interior of the Slovak Republic

### Warning

The sacks are not suitable for protection against sea water.

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AquaBagStop

Stop the water and keep your property dry!

**AquaBagStop is a unique self-absorption sack that:**

- protects your property from floods or torrential rain
- dries out your property after flooding, leaks or water emergency situations

The sacks contain a special matter with a high water-absorption capacity (super-absorbent), which allows them to increase their volume in contact with water more than 35 times within 5 minutes. Their main advantage is the speed of deployment. Even a physically weaker person can handle the sacks.

They can be stored in their original package for a long time period (more than 5 years) and used multiple times.

Advantages	AquaBagstop	Sand bags
<b>Quick Deployment</b> ready within 5 minutes	✓	✗
<b>Always Available</b> simple storage in a small space	✓	✗
<b>Easy Handling</b> also for physically weaker persons	✓	✗
<b>Multiple Usage</b> up to 5 times when stored and dried properly	✓	✗
<b>Environmentally Friendly</b> the sacks consist of non-toxic materials, superabsorbent can be dissolved in soil	✓	✗

