

FLOODbag

The flexible solution for flooding,
leaks, and emergencies



includes flood
checklist!

- Easy to use

- Flexible application

- Effective flood protection

What are FLOODbags?

Fernco FLOODbags are absorbent bags filled with a super-absorbent polymer (SAP) to protect against flooding. This ideal solution is easy to store and is an effective and inexpensive alternative to traditional sandbags.

- Barrier against water ingress from flooding, leaks and, for example, extinguishing water from sprinkler systems
- Environmentally friendly – made from biodegradable materials
- Also serves to absorb escaping water from, for example, burst pipes
- Quick and easy to use in 3 simple steps
- Space-saving and durable

Fernco FLOODbags can be used in a variety of outdoor and indoor applications to **protect against flooding**. Outdoors, they can be used to protect doors and garages and to cover light wells and underground car park entrances.

Indoors, FLOODbags can be used to prevent **water damage** caused by faulty boilers/ household appliances.

The SAP material in the FLOODbag absorbs water in minutes and forms a tight, clean barrier that prevents water flow for **up to three months**. The FLOODbag retains its shape. There is no need to fill sandbags manually.



Sand bag	FLOODbag
✗ Requires time consuming manual filling	✓ Pre-filled and quick and easy to deploy
✗ Bulky and takes up space	✓ Flat packed for easy storage
✗ Porous over time	✓ Robust to prevent water passing through
✗ Can deteriorate if stored for a long time	✓ Vacuum packed for storage longevity
✗ Heavy to lift and position	✓ Lightweight and easy to use
✗ Saturated with an uneven structure	✓ Designed to retain and maintain shape
	✓ Multi-purpose for indoor and outdoor usage

60 bags per pallet

will protect **10 – 12** buildings

500 bags per pallet

will protect **100** buildings



FLOODbags in private homes

- Protection against **water ingress or escape**
- **Barrier** in front of the house/building to protect against water ingress (leaky doors, gates, windows, walls and roofs)
- Diversion of **rainwater** during heavy rainfall
- Absorption of water in the event of burst **pipes/leaks**
- Water absorption in the event of leaks in **sanitary areas**
- Protection of **electrical systems**, such as electrical boxes
- Water absorption during **renovation work**

! Innovative self-activation

- When flooding is imminent, dry FLOODbags can be laid out preventively in areas at risk.
- In most cases, water diversion is more important than water retention.
- If a dam has been built in front of an entrance, dry FLOODbags can be placed in an L-shape against the door to catch any water that may seep through.



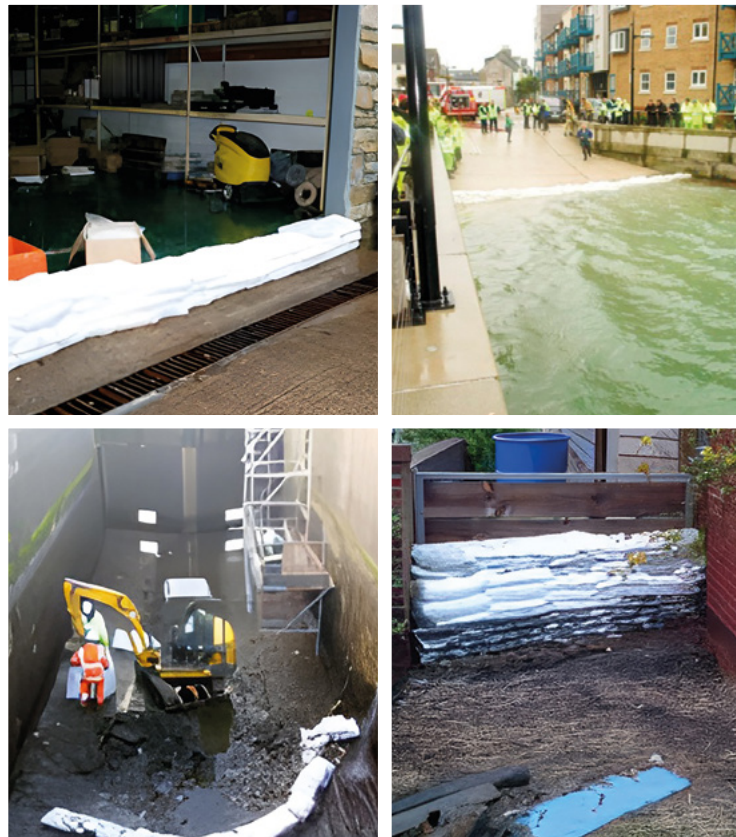
... in companies & production facilities

- Protection against damage to **buildings, machinery** and **stock**
- **Barrier** in front of building entrances and gateways
- Sealing for **leaky building installations**
- Absorption of leaks in **sanitary areas, sprinkler systems, coolant fluids** and much more.



FLOODbags in public buildings

- Protection of **electrical systems** such as electrical boxes
- **Barrier** in front of building entrances
- Diversion of **rainwater during heavy rainfall**
- Absorption of water in the event of **leaks**
- Water absorption in **sanitary areas**
- Water absorption from **sprinkler systems** in public buildings
- Water absorption during **renovation work**



... for fire brigades / disaster first responders

- Securing **electrical installations** such as electrical boxes
- **Barriers** in front of building entrances
- Sealing **sewer openings**
- **Firefighting water diversion** during firefighting operations
- Rapid **sealing of buildings at backflow level**, e.g. doors, windows and light wells
- Containment of damage caused by **chemicals** or other liquids
- **Diversion of small bodies of water**
- Accumulation of small bodies of water for **firefighting water extraction**



FLOODbags in transport / logistics / repairs

- Sealing of **transported goods**
- Absorption of water in the event of **burst pipes / leaks** in workshops, factories, etc.
- Water absorption in **sanitary areas**: toilets in factories, airplanes, trains, buses and ships
- Use in construction as an **immediate measure in the event of water damage**, e.g. burst pipes

Leakage	Sealing	Heavy rain	Protection of electrical equipment	Fire water retention
Sanitary facilities	Sprinklers	Flooding	Industrial facilities	Water absorption in logistics areas



FLOODbags enable you to protect yourself effectively against all types of water damage and take preventive measures.

! Disposal

- FLOODbags are disposed of like sandbags at the end of their service life.
- Clean FLOODbags: Disposal via the residual waste bin.
- If contaminated, e.g. by sewage or fuel: Disposal via the local recycling centre.



General product information

Item number	FB01 = 1 vacuum pack containing 5 FLOODbags
Description	Fernco FLOODbag 1 PU / carton = 5 bags, each containing 5 FLOODbags Pallet quantity = 20 cartons / 100 bags
Material	Superabsorbent polymer (SAP)
Storage period	5 years – in vacuum packaging
Area	5 FLOODbags (1 bag) = protects a standard house entrance

	Height (mm)	Width (mm)	Length (mm)	Weight (kg)
Dry	12	520	470	0.375
Soaked up	100	520	470	20 – 25*

* Depending on temperature and type of liquid

Components of the FLOODbag:

Internal absorbent medium:	Pre-treated flocculated pulp, absorbent polymer
External fleece of the pads:	Hydrophilic fibre fabric
External fleece of the FLOODbag:	Hydrophilic polypropylene
Sewing thread:	Polyester thread, white

Advantages

FLOODbags are **lightweight** and **space-saving**: Packaged in packs of 5, one package weighs only approx. 1 kg; 1 box with 25 FLOODbags weighs 5 kg.

A single FLOODbag can hold **up to 25 litres of water**, replacing the barrier capacity of approx. **4 sandbags**; 1 box replaces up to 100 sandbags.

Thousands of FLOODbags can be transported quickly and easily to the site of use.

Due to their components, FLOODbags are biodegradable and resource-efficient.

FLOODbag structure

Each FLOODbag consists of 4 layers with a total of 12 internal compartments, which form a multi-chamber system to completely absorb the water. These absorbent chambers are then sewn into an outer cover made of non-woven fabric. This construction allows the bag to retain its structural shape and prevents it from changing shape, unlike conventional sandbags.



1 bag = Holds up to 25 litres of water

Distribution

FLOODbags are available **throughout Europe**.

For orders, please contact our technical sales department in Eschwege:

+49 (0) 5651 22 96 400

anfrage@fernco.de

Usage

FLOODbags offer protection against water damage and flooding indoors and outdoors. They absorb liquids* (see next page), effectively divert water flows and even seal drain installations.

For optimal activation of FLOODbags, please follow these steps:



1. Open the plastic bag. Make sure not to damage the FLOODbags. Shake the FLOODbags to loosen the filling.
2. Immerse FLOODbags in water for at least 5 minutes. The more surface area that comes into contact with water, the faster they soak up.



3. Place expanded FLOODbags in staggered layers to build a barrier outside the property.

For internal use: Use dry Fernco FLOODbags to absorb leaks from water systems & appliances inside the home.



! Tips

- **For increased watertightness:** one layer of dry FLOODbags as a base, L-shaped against the wall.
- **For better stability:** one bag upright on each side. Stack the bags in a staggered pattern like a wall.
- Push them together at the edges to **compensate for curves**.
- **1–2 layers** are usually sufficient.
- Can also be stacked **4 to 5 layers** high **against solid structures** (walls, doors, gates).



Frequently asked questions

How long can I use activated FLOODbags?

Once activated, they retain their shape for **up to 7 days**. If they remain in contact with water, e.g. due to flooding or rain, the Floodbags retain their shape and function for **up to 12 weeks**.

Can I use FLOODbags multiple times?

Activated FLOODbags can be rearranged or used for other purposes during the period of use. Wet FLOODbags are not intended for storage.

Dry FLOODbags can be used repeatedly to collect different liquids in different locations until they reach their full capacity.

*Which liquids can FLOODbags absorb?

We recommend activating them with **fresh water** to ensure full capacity. However, they can also absorb liquids such as **milk, blood, urine, coolant**, some **thin oils** and much more. Flammable liquids or viscous oils are not recommended.

FLOODbags take on the colour of the absorbed liquid. This means that any **contamination that could pose a health risk** (e.g. from faecal sewage) can be spotted from a distance **during use**.

Do FLOODbags leave puddles when I use them indoors?

No! The bags absorb the water and the hydrophobic inner surface of the cover prevents it from leaking out again, so FLOODbags **do not drip** from the inside.

Can I use FLOODbags in freezing conditions?

Yes! The outer shell can freeze, thereby insulating the filling. The filling itself does not usually freeze, so the bags remain fully functional.

What is the best way to store dry FLOODbags?

Thanks to their space-saving vacuum packaging, FLOODbags can be stored **almost anywhere, protected from sunlight and dry, for at least 5 years** without a problem.

What should I do if the vacuum cover is damaged?

The FLOODbags can still be **used as normal**: although they will swell slightly over time due to contact with air humidity, they can still hold up to 25 litres.

My FLOODbag is damaged. Can I still use it?

Yes! As the interior is sewn multiple times, undamaged chambers will continue to function without any problems. The biodegradable polymer filling does not pose an environmental risk if it is flushed out of a damaged chamber during use.

Checklist for flood emergencies

Before a flood:

- ☐ **Inform yourself:** Check whether the area is at risk of flooding.
- ☐ **Stock up on supplies:** Food and drinking water for two weeks, camping stove, batteries.
- ☐ **Prepare emergency bag:** ID cards, medication, torchlight, mobile phone with power bank, clothing, blanket, toiletries. For small children: contact information.
- ☐ **Compile important telephone numbers:** emergency services, relatives
- ☐ **Secure important documents:** keep them handy and stored in a high place in a folder. Inform all family members of the storage location.
- ☐ **Protect valuables:** Move furniture, technology and chemicals to higher rooms. Check insurance cover and document your property, e.g. with photos.
- ☐ **Secure your car:** Park outside the flood zone.
- ☐ **People in need of assistance & pets:** Plan evacuation/accommodation in advance
- ☐ Check **drainage systems** and backflow valves in the basement

When the flood occurs:

- Save people first. If it is not possible to ensure your own safety, wait for help.
- Bring children and those in need to safety. Switch off electricity and heating in rooms at risk.
- Follow weather/flood reports and official hazard warnings.
- Do not enter cellars or underground car parks – danger to life from water and electric shock! Avoid tunnels and underpasses.
- Use safe routes, observe barriers and warnings from the emergency services.
- Do not enter riverbank areas: danger of collapse!
- In the event of hazardous substances (e.g. oil, paint) escaping: notify the fire brigade.
- Do not drive on flooded roads or in flood waters.
- Do not start cars if the wheels are under water.

After the flood:

- Before re-entering the rooms: Have the structural integrity checked.
- Only pump water out of rooms once the flood water has drained away and the groundwater level has dropped.
- Wear gloves and safety shoes: risk of injury / germ contamination.
- Remove mud and residual water, ventilate and dry rooms promptly.
- If you smell gas: inform the fire brigade.
- Dispose of unusable food, furniture and clothing properly.
- Document damage, take photos, mark the highest water level.
- Only switch appliances, heaters and vehicles back on after they have been checked by a professional.
- Have the drinking water quality checked.
- Dig over flooded gardens (prevention of odours and mosquito infestations).
- Stock up on mosquito repellent.

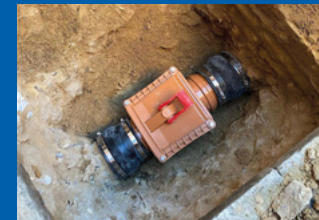
Our flood protection range offers a vast selection of products that help minimise the impact of flooding.



Flap Valve FV



Non-Return Valve NRV



Back Water Valve BWV



Penstock PS



FLOODbag FB



Check Valve MwStop® CV



Reliable connections –
worldwide!



Your direct connection to us ...



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