



“The revolutionary, cost effective, Eco-friendly alternative to sandbags”



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How Flood Guard works

When floods strike you have little time to act.

Flood Guard units are transformed from being as light as a pillowcase to become as tough and heavy as sandbags within minutes.

All you need to do is pour water on them or pop them in a container, add 20 litres of water and watch them expand.

Flood Guard units are lightweight, weighing just 700grammes before taut, weighing 20kg (44lbs) in just over 3 minutes. They can be expanded in waters in a bath, a sink, a bucket, a hosepipe or even the floodwater.

Flood Guard units will be ready for action anytime, any place and anywhere, unlike Sandbags that need vast warehouse storage space, are heavy and expensive to shift and require huge manpower and lorries to get them to the scene.

Countries worldwide are being devastated by floods. In October 2011 there was wide scale flooding across the Dublin and Cork regions that arose from intense rainfall over a relatively short period of time. This caused rivers to break their banks, drainage systems over flowed onto streets causing flood damage to over 2000 homes and commercial properties.

Anyone can face a flooding emergency inside their home such as a burst pipe at any time or a flash flood and surface water run off from the outside. The semi-porous inner liner with **Flood Guard** units contain gelling polymer which absorb water. They are designed so they mould into doorways and across air vents to keep floodwater out.

In short, **Flood Guard** units take away the risk and are incredibly easy to deploy.

Who Uses Flood Guard?

Some of our major customers include local councils, shopping centres, emergency services, environmental agencies, banks and IT centres to protect computer servers, bus and train stations, hotels, hospitals, nursing homes, restaurants, schools, colleges, universities, the construction industry and public utilities such as gas, electricity, water and telecoms.

Our products are also available in the UK, where they have been endorsed by the National Disabled Fire Association as the frail and elderly find them so easy to store, move and deploy.

When is Flood Guard used?

Flood Guard units are used to stop floodwater either by forming into a wall or as a highly effective barrier in doorways or across air vents. They can divert surface water away from properties and down drains or into water courses.

Inside the home they can soak up leaks from faulty domestic appliances ranging from boilers to washing machines, fridges, broken pipes and radiators. It means no mess and no trying to get a bucket or a bowl in an impossible-to reach place.

Businesses also find them ideal to have for an emergency such as after a sprinkler system failure or to quickly soak up spilled fluid to prevent staff and customers from slipping.

Let's get technical - Flood Guard sizes

Our **Flood Guard** unit is 500mm by 450mm, absorbs 20 litres of water and so weighs 20 kilos when energising. Each layer of **Flood Guard** will keep around 20cms (8ins) of water out.



Sandbags vs Flood Guard

What's so wrong with conventional sandbags?

- Must be replaced regularly costing thousands of pounds for the big companies and local authorities that need palletised sandbags ready all year round for any emergency.
- Can deteriorate if stored for a long time, especially in cold, damp warehouses. Dust and grime infiltrate anything stored nearby.
- Exceptionally unwieldy to lift and handle with all kinds of health, safety and manual handling technical problems for staff who have to use them at businesses.
- Messy with the sand easily washed out and adding to all the damage if they burst.
- Difficult and expensive to transport anywhere due to their weight. One box of 20 **Flood Guard** units is equal to 20 sandbags on a pallet and the number of **Flood Guard** units that can be delivered by a pick-up truck is equal to more than 12,000lbs of sand.
- Odd shapes, uneven bags and poor stacking performance means sandbags let water seep through and are ill-suited to the task. You need a lot of people to move any number of sandbags anywhere.
- Cleaning up after sandbags can cost a fortune, especially if they have leaked as spilled sand can have a disastrous effect on natural habitats.

What's so right about Flood Guard?

- Easy to store and can be vacuumed-packed to save even more room.
- Always there for peace of mind. No panic to buy sandbags if a flood is forecast.
- Can be expanded in water right next to where you need them and stay taut until flood subsides for up to 3 months.
- Lightweight before they are used, with the standard bag weighing just 700grammes. **Flood Guard** can be used by people who would not be able to lift sandbags.
- Thousands can be quickly transported in a van, saving on fuel, wages and manpower.
- Can be stored in small depots around the area, not one huge central store, therefore can be taken even more quickly to the scene.
- One **Flood Guard** unit can be expanded and put down the toilet to block it from filthy water being forced up the drains and sewer.
- Unlike sandbags, **Flood Guard** soak up some oils and chemicals.
- **Flood Guard** are uniform sizes so expand to fit tightly against each other and walls, providing dependable protection from water.
- **Flood Guard** don't need sand (one of the earth's natural resources) and therefore is Eco-friendly.



Frequently Asked questions



Can Flood Guard units be reused?

No

If Flood Guard units start to dry and then come into contact with a liquid again will they work?

If they start to dry and go down to 50% and then come into contact with a liquid again they will re-energise but to 75% of their original size.

How do you get rid of them?

If they are not contaminated they can be buried in landfill.

Will Flood Guard absorb oil?

They will absorb some oils of a lower viscosity but you must do specific tests on the oils you want to absorb.

How long do they stay activated?

Up to 3 months as long as they are in contact with a liquid.

What's the highest you recommend to build a wall?

Depends on the force of the water but no more than a metre high and at least 2 metres wide.

How long are they guaranteed for?

5 years as long as they are kept in the original packaging.

How many come in a pack?

5

How many Flood Guard units come in a case?

1 Flood Guard case = 20 Flood Guard units

How many cases in a pallet?

20 cases

How many fit into a container?

Depends on packing but a 40ft container will hold around 900 cases.

Why is Flood Guard white?

To show contamination when the water/liquid recedes.

What temperature range do they work in?

-10°C to 50°C



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