



**THE UK FLOOD
DEFENCE ALLIANCE**
WORKING TOGETHER, TO KEEP WATER OUT

Flexible Flood Defence Blocks

Flood Defence Blocks divert floodwater. The interlocking design, coupled with the option to stack or pin them, provides a flexible yet robust defence against running water.

They can be deployed in a single layer or stacked layers high. The interlocking design allows curves and contours to be followed, sending the water where you need it to go.

The Blocks are easy to carry and move into place. Consequently, they save time when compared to traditional sandbags, enabling you to protect your property quickly and efficiently.



After use, the blocks can be power washed and stored ready for future occasions.

Each block measures 61cm (2ft) long x 30.5cm (1ft) wide x 10cm (4") high and weighs 13.6kgs per block

Benefits:

- **Speed:** They are quick to get into position and so save time over using traditional sandbags
- **Direct water:** They can be shaped to direct or block the water flow as required. E.g. Hebden Bridge Flood Volunteers often shape them into 'J' shapes around drains to slow the water flow and direct it into the drains
- **Re-usable:** The blocks can be washed off and then stored for the next occasion
- **Cost:** Although there is an upfront cost, they can be re-used so the cost per use compares favourably to the total cost of using and disposing of sandbags
- **Ease of use:** No training is necessary; residents and volunteers can use them easily

Hebden Bridge Flood Volunteers



Hebden Bridge Flood Volunteers use the Flood Blocks and credit them with helping them to protect commercial and residential property in the town.

Read how they used them during Storm Angus.
<https://www.ukflooddefencealliance.com/sandbag-alternative-saving-property-flooding-hebden-bridge/>

They achieved an 80% reduction in flood water run-off hitting the High Street and protected 22 out of 24 houses. This was due to the speed they could erect a barrier using the blocks – and would not have been possible using sandbags.

UK Flood Defence Alliance

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Flexible Flood Defence Blocks: Product Information

Description

Flexible Flood Defence Blocks is a moulded rubber product with many uses. It has a unique bull nosed interlocking design that allows each block to be fitted to each other.

Specifications

Dimensions	61 x 30.5 x 10cm
Weight	13.6kg (80 pieces to a palette/111kg)
Composition	Recycled rubber & polyurethane binder
Colour	Black
Holes	Two – 3.49cm diameter; aligned for staking one course to the next.
Permeability	None, solid
Freeze- Thaw (ASTM C1026)	Submersed in water to 0°F for five cycles Minimal small particle separation
UV Resistance	No change after 48 months' exposure
Flammability/auto ignition	230°C
Toxic characteristic Leaching Procedure Method 6010B	Less than trace amounts of aluminium (Al), barium (Ba), cadmium (Cd), chromium (Cr), lead (Pb), selenium (Se), silver (Ag) chloride (Cl) and sulphate (SO) after 18 hours in fluid.

Applications

- Containment of solid, semi-solid and liquid materials
- Erosion control, energy diversion, catch basin formation, runoff control
- Drain inlet protection, oil well/pump protection
- Weighting and hold down signs, tarpaulins, barriers and ballast
- Creation of temporary retaining walls and washout areas
- Base for fence and stand poles

Features

- Durable – will not breakdown in outside elements
- Consistent size – one Flexible Flood Defence block replaces two typical sand/gravel bags
- Environmentally friendly – made from recycled tyres
- Easy to store, install and maintain
- Can be stacked, staked or glue in place