

HYDROSACK®

*The most important development
in emergency flood protection
since the invention of the sandbag*





The HydroSack® is the solution to the inefficiencies of the traditional sandbag that have frustrated users for generations.

What is wrong with sandbags?

Besides their inherent poor performance as a floodwater barrier, sandbags are difficult to store, taking up substantial storage space for unknown period of time in anticipation of an emergency. Hessian or jute sandbags will normally rot in storage and woven poly-fabric based bags will degrade after a short time in sunlight. They are excessively heavy and difficult to carry to site, each weighing anywhere between 15-20kg leading to risk of injury.

Sandbags are not easily disposed of and serious additional costs are incurred by transporting them away for safe disposal. They are not environmentally friendly as they cannot be emptied into the earth once the floods have subsided.



Sandbags not only leak and filter water through them, but once in contact with flood-water, they pose a biohazard risk as they will absorb the any sewage and contaminants within. They are capable of carrying

infectious diseases emanating from the polluted floodwater.



What are the advantages of the HydroSack®?

The HydroSack® weighs less than 0.5kg before contact with water, and can easily be stored in bulk for 5+ years before they are needed. It will absorb and lock in up to 20 litres of water, weighing approximately 20kg, and will retain this weight for up to 6 months in situ.

The HydroSack®'s core contains a mixture of FSC wood pulp and super absorbent polymer (SAP), both of which are degradable after 6 months. After use, the outer sack can be slit and the contents can be emptied into the earth without any harmful effects.

The HydroSack® is designed in bright blue for optimum visibility, and has handles for easy movement. The unique 3-section structure allows for a controlled spread of weight, which prevents the contents from moving side to side.



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HydroSack Technical Details:			
Length:	60cm	Floodwater Depth:	5cm
Width:	48cm	Floodwater depth when folded:	10cm
Absorption:	15-20 litres	Floodwater length:	45cm
Inflation Time:	2-3 mins		
Weight before:	0.5kg		
Weight after:	15-20kg		
Handles:	2		
Outer Fabric:	Nwn polypropylene, hydrophilic finish		