

# SoluForm Sandbags

## Sandbag Factsheet



# SoluForm

Sandbags date back centuries, initially used as military fortifications and later evolving into essential tools for civilian infrastructure. Today, robust polyester sandbags filled with screened silica sand offer superior strength and versatility. They combine traditional utility with enhanced durability and functionality.

These durable bags are indispensable in flood control and erosion protection, providing critical barriers against rising waters. They can keep water out for short periods which can be improved by using them in conjunction with plastic sheeting. Sandbags can also filter out some muddy sediments found in flood waters.

Other applications include in trench and excavation safety, to prevent cave-ins, embankment stabilisation and temporary structures for site protection and traffic management due to their easy deployment and reliability.

## SoluForm Sandbags

Our 20kg sandbags are manufactured using a needle punched 150gms non-woven polyester fabric consisting of randomly orientated synthetic staple fibres.

**Approximate filled bag dimension:**  
650mm x 300mm x 100mm, with one end stitched closed.

**The empty bag size is:**  
770mm x 370mm providing room to ensure the sand is malleable.

The fabric is dark green in colour, is light weight yet tough and is non-biodegradable.

In addition to the UV resistant properties of polyester, the fabric is furthermore protected by additional UV resisting additives, making the fabric resistant to degradation from its exposure to sunlight.

Our bagwork is prefilled on an automated line, meaning the bagwork arrives to site ready to place, therefore no requirement to hand fill bagwork yourself. This ensures a consistent and quality controlled end product, with the bagwork product then covered under our ISO 9001 and 14001 quality system.



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[www.soluform.co.uk](http://www.soluform.co.uk)



SoluForm - A division of Hoben International Ltd.  
Brassington Works, Derbyshire, DE4 4HF, England  
Head Office 01629 541066 Email [sales@soluform.co.uk](mailto:sales@soluform.co.uk)

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The Sandbags are sealed in the factory by stitching, rather than using plastic closure ties. This provides a fully rectangular shape to the bags rather than a curved end for ease of installation with tighter gaps.

All prefilled sandbags are filled with screen, washed silica sand.

Each pallet contains fifty bags and is sufficient to complete 0.8m<sup>3</sup> of in-situ bagwork.

The weight of each bag, as supplied, is 20kg, though the exact weight may change at the time of placement if the bags are allowed to get soaked by rainwater.



## Applications

Typical applications include

- Flood Control and Erosion Protection
- Traffic Management
- Trench and Excavation Safety
- Embankment Stabilisation
- Retaining Wall Construction
- Temporary Structures and Site Protection

SoluForm also have a patented range of biodegradable bags, for use inside traditional hessian/jute bags or on their own, for the placement of concrete in or around rivers. They offer simple, cost effective and environmentally acceptable solutions for the hand placement of concrete or soil bagwork, both in and out of watercourses.

