



## **Stormguard Floodplan White Board Style Flood Prevention Barrier Specification Sheet:**

### **Using Flood Barriers in situ:**

Stormguard Floodplan Flood Barriers are waterproof and watertight when used in conjunction with a specially manufactured nylon channel such as the ones that Floodplan use. When in place it creates the perfect seal against flood water. The Flood Boards have been tested to the highest standards available (Above and beyond PAS 1188-1: 2014). Further tests have been carried out not in a tank or man-made conditions, but in real life situations, both for impact resistance and the pressure of high flow water against it. This is very important when choosing flood protection products for a home or business.

### **Panel composition:**

The Flood Boards are made using Expanded Polystyrene (EPS) which has many advantages and features for use as Flood Protection. The inner and outer skins of the Flood Barriers are manufactured from 1.4mm thick PVC sheet called Paldor. The skins have a high impact and chemical resistance and can withstand temperatures up to 60 degrees Celsius. The outer skins are pressure bonded to core materials of EPS 100 boards and 4mm moisture resistant ply reinforcing using a specially formulated adhesive that is both heat and moisture resistant with excellent durability for exterior use.

### **Thermal Insulation:**

The Flood Barriers are a closed cell material with excellent stable properties based on entrapped air. The boards are very lightweight and durable for use as Flood Protection.

### **Moisture Resistance:**

The material used to create the Flood Barrier is Expanded Polystyrene which is non-hygroscopic and therefore moisture resistant, and retains its waterproofing properties. It is an excellent material for Flood Barriers.



## **Environmental Safety:**

The Flood Barriers are not affected by bacteria, mould or fungi and will not provide nutrient value for insects or vermin. They are non-toxic, non-irritant and odorless.

## **Fire Regulations:**

Various fire departments have acknowledged that Stormguard Floodplan products are suitable for door ways that will be used as fire exits, they are lightweight making them easy and quick to remove (especially for anyone who may have a disability) taking no longer than 15 seconds and do not need a threshold. The skins are UV stabilized and are self-extinguishing once a flame has been removed.

## **Guarantee:**

All Stormguard Floodplan barriers are guaranteed for a period of 3 years when installed by our highly trained installation team. No small print, this only excludes misuse, accidental damage, vandalism, or theft.

## **Further notes to consider:**

- Our white board style, flood prevention barrier only comes in the colour white. However, if you wish to paint the pre-treated hard wood side posts or the outer edge of the nylon channel to match your door frame/surround or brickwork/render, you can of course do this after the barrier has been installed.
- Our barrier works on a vacuum basis. The barrier's overall width is 28mm and the nylon channel is 27mm, this slight difference in width ensures that once you pinch the full thickness of the barrier and base seal, into the nylon channel at the left- and right-hand side. Then push down into place – the vacuum seal is created. Ensuring a waterproof seal is made. The more water against the barrier, the greater the vacuum seal.
- We as standard, upon completion of installation, run through how to put the barriers in place, remove and store them. We also leave a barrier user manual on site & via email to ensure you always have a copy to go over or show anyone else in charge of using the barriers how to do this properly.

**PLEASE LOOK AT OUR WEBSITE FOR ANY FURTHER INFORMATION AND PICTURES**

Web: [www.stormguardfloodplan.com](http://www.stormguardfloodplan.com)