BSI: Your testing and certification partner for excellence.

Testing, certification and installation
for flood protection systems.

...mal   exce

b i

llence   ™

Introduction

At BSI we have a full range of testing and certification services to enable you to bring your products to market effectively. We are independent of all product suppliers, installers and manufacturers, so we can guarantee a confidential and impartial service, and provide you with reliable objective guidance.

Use BSI to help you independently demonstrate compliance of your new and innovative products or services. Gain BSI Kitemark as your passport to new markets and opportunities.

We have been assessing flood protection products since 2003. We have all the expertise you need to get your product to market and clearly differentiate it in the global marketplace.

In our testing laboratories, we have the people and the processes to launch your product and give it the trusted recognition that will open new markets and opportunities time and again.

Where are you on your journey?

We have a full suite of testing services for you to choose from, to help you get your products to market. Plus if you

are developing new products, talking to our experts early in the development process can help you realise the full potential and commercial advantage of certification, with significant efficiencies and increased profits to be gained for your business.

And with our global reach – including partner laboratories in the UK, China, Middle East and Turkey for example, we can support your business locally.

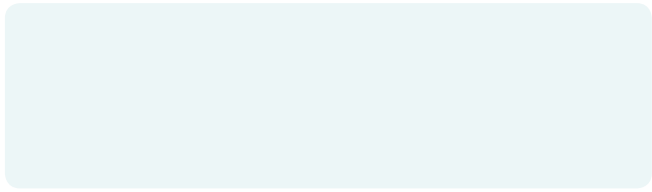Call: **+44 345 0765 606**
Email: **product.certification@bsigroup.com**
Visit: **bsigroup.com/flood**

Your roadmap to certification with BSI.

Our services include:

Pre-assessment/indicative testing

We offer BSI Kitemark for the following standards:

PAS 1188-1:2014

Flood protection products – Specification: Part 1: Building aperture products

This PAS is applicable to flood protection products intended for use in the temporary sealing of building apertures and entrances to properties, including boards and flood doors, in the event of static flood water rising up to a level between 540 mm and 840 mm above aperture threshold level. Exceptions are products designed to completely cover or replace small apertures, such as air-bricks or air vents. It covers wall aperture closure systems and foam products.

Building aperture flood protection products are units made up of one or more pieces, with or without a surrounding frame, that form a barrier to the passage of water through an aperture. They are commonly made of materials such as plastic composite, wood, aluminium or steel and range from factory pre-fabricated units to standard plywood sheets cut

PAS 1188-4:2014

Flood protection products – Specification: Part 4: Demountable products

This PAS specifies requirements for the designation, testing, factory production control, installation documentation and marking for different types and configurations of flood protection products intended to be demountable, for use away from buildings, but may be sealed against structures or buildings at section ends, in the UK or locations with similar exposures, i.e. where there is a temperate climate.

Demountable flood protection products are products that are capable of being dismantled or removed from their settings and reassembled or reinstalled on permanent mountings.

Examples include:

- Free-standing barrier (part pre-installed)
- Frame barrier (part pre-installed)
- Sectional barrier (fully pre-installed)
- Flood gates (fully pre-installed).

BS EN 13564-1:2002

Anti-flooding devices for buildings — Part 1: Requirements

This European Standard specifies types and requirements for materials, performance, design, construction and marking for factory made anti-flooding devices for faecal and/or non-faecal wastewater for use in drainage systems of buildings operating under gravity in accordance with EN 12056-1.

These devices are installed either directly in the pipework of a drainage system, or incorporated in a floor gully intended to protect buildings from internal flooding, i.e. rooms which are below the flood level.

Examples include:

- **Type 0**: Anti-flooding device for use in horizontal pipes having only an automatic closure device.

- **Type 1:** Anti-flooding device for use in horizontal pipes having an automatic closure device and an emergency closure device, where this emergency closure device may be combined with the automatic closure device.

- **Type 2:** Anti-flooding device for use in horizontal pipes having two automatic closure devices and an emergency closure device, where this emergency closure device may be combined with one of the automatic closure devices.

- **Type 3:** Anti-flooding device for use in horizontal pipes having an automatic closure device actuated by external energy (electrically, pneumatically or other) and an emergency closure being independent of the automatic closure device.

- **Type 4**: Anti-flooding device incorporated in waste fittings or floor gullies having an automatic closure device and an emergency closure device, where this emergency closure device may be combined with the automatic closure device.

- **Type 5:** Anti-flooding device incorporated in waste fittings or floor gullies having two automatic closure devices and an emergency closure device, where this emergency closure device is combined with one of the automatic closure devices.

BSI Kitemark™ for Installation of Flood Protection Products

What is the BSI Kitemark for Installation of Flood Protection Products?

The BSI Kitemark for Installation of Flood Protection Products has been developed to give home owners the assurance that any BSI Kitemark Flood Protection Products have been installed correctly by BSI Kitemark certified installers. It will provide the level of protection the product is designed and tested to achieve.

The BSI Kitemark is a symbol that almost 70% of consumers recognize and represents quality, safety and trust. Any product or service must be rigorously assessed in order to achieve and maintain the BSI Kitemark. It provides an independent third party endorsement that a service consistently meets the requirements of the appropriate standards or scheme.

Whilst the BSI Kitemark for Installation of Flood Protection Products cannot guarantee to prevent all flooding, it is an important element in the defence against flooding. It will help determine that the product is fit for purpose, fitted correctly and will protect to the specified flood level. If water exceeds this level however, flooding might occur, for example in the case of overtopping.

What does the scheme include?

The BSI Kitemark for the Installation of Kitemark Flood Protection Products has four main elements:-

- There is a process in place to assess and validate the competency of the installers

- A survey is undertaken of the aperture where the BSI Kitemark product is to be fitted to check for vulnerabilities and ensure its suitable and fit for purpose

- The product will be checked to ensure it is installed in accordance with the manufacturer's instructions

- A practical site test is carried out to demonstrate the effectiveness of the installation.

In addition, installers are required to ensure the home owner has a wider understanding of the flood risk to their property and make them aware of other potential vulnerabilities.

To gain the BSI Kitemark an organization must demonstrate competency to successfully undertake these tasks and comply with the BSI Kitemark scheme requirements. Whilst the skill set and competency of an individual is central to the quality of the service provided by an organization this scheme is a not a competent persons scheme.

A flexible scheme for both individual installation companies and groups

The scheme is available to all installation companies that can demonstrate an appropriate level of competence, normally via training and practical assessment. It has been designed specifically so that both individual organizations and those that operate in conjunction with a trade body or group of companies can benefit from it and the widely recognized BSI Kitemark.

Speak to one of our experts today or visit our website for more information.

Call: **+44 (0)345 0765 606**
Email: **product.certification@bsigroup.com**
or visit: **bsigroup.com/flood**

Transferring your management system certification to BSI

BSI is the business standards company that helps clients make excellence a habit. We do this through a unique range of products and services that ensure you first understand what best practice looks like, how to then achieve it and ultimately embed excellence as an on-going habit throughout your organization. Our integrity, expertise and the customer experience we provide make the difference that matters most to our clients around the world – improving their business.

5 simple steps to transfer to BSI

1	2	3	4	5

Get in touch

Telephone or email us for a no-obligation review of your needs:

- **0345 080 9000**
- **ce   ca   . a e @ b g   .c**

Share

Send us your application together with:

- A copy of your existing certificate
- Your last visit report

We'll then send you a written quotation for your review.

Review

Once you're happy with our quote, we'll carry out an on-site verification assessment of your current management system.

Transfer

After a successful verification assessment we'll issue your BSI Certificate and Assurance Mark so you can promote your BSI certification to all your stakeholders.

Keep improving

We'll continue to assess you in-line with your existing plan, to help you maintain your certification and continue to drive improvements for your business.

Additional services

We help manufacturers around the globe by supporting claims of compliance for new and innovative products. You can also use our multiple certification solutions to make sure you have the resilience to be able to cope with growth and be prepared for future challenges. Companies choose our services to protect their supply chain, their data and their operations.

Training from BSI experts

We offer one of the widest ranges of standards-related training available from quality management to managing your energy effectively. We don't just train you to meet standards – we help you to understand how to embed them into your organization.

We know what an auditor will look for – so we train you to meet it. We know the thinking behind the standard – so we can convey that to drive and inspire your people.

We have a team of expert tutors working across the world who can transfer the knowledge, skills and tools your people need to embed standards of excellence into your organization. They have vast amounts of training and assessment experience, and work across a wide range of business sectors.

For our full training courses please visit:
bsigroup.com/training

Certification to Management Systems

With more than 80,000 certified clients and more full-time assessors than any other certification body worldwide, we are one of the largest and most experienced certification bodies. This means you'll get the most out of your assessment and certification with the least disruption and cost to your operations.

To discover certification for our management systems please visit:
bsigroup.com/certification

BSI Business Improvement Software

BSI Business Improvement Software can be an effective way to help you get the most from your business processes. It is a powerful tool designed to streamline critical workflows, drive forward continual improvement, and implement newly revised standards.

Here are 3 key things that demonstrate the value of BSI Business Improvement Software and what the return on investment could be:

1. **Traceability:** Our software can increase traceability and improve transparency and rigor to your operations. So if there are parts of your business that are not automated, where manual processes such as spreadsheet management are used, or information is not centralized, then there is an opportunity to improve efficiency.

2. **Visibility:** Our software helps to give visibility across an entire organization, to gain control, and ensure deliverables are met. It's also ideal for organizations operating on multiple sites which can be a challenging environment too.

3. **Process Resilience:** Agile organizations with incisive leadership are more resilient and more likely to grow and prosper. Through its reporting tools such as customizable real-time dashboards, BSI Business Improvement Software gives senior management increased visibility on the entire organization. It can help them to spot trends early on and make timely decisions to keep your business one step ahead.

For more information please visit:
bsigroup.com/software-uk