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M3 Floodtec first to achieve new BS 851188 and BSI Kitemark for Flood Resistance Products



Founded in 2018 as a supplier of domestic flood protection products, Worcestershire-based M3 Floodtec has grown quickly, expanding to now include product design, manufacture, installation and maintenance. Serving the domestic, commercial and industrial property markets in the UK and overseas, the company has a wide customer base from private households to general contractors, including the Environment Agency, several Local Authorities and new build housing developers.

Covering whole area flood mitigation and protection of infrastructure and communities, alongside its consultancy and flood survey services, the business offers both passive and deployable products. Among these are air bricks, vent covers, French and patio doors, anti-flood windows, sump and pump systems, glass screens and flood-proof doors.

M3 Floodtec's success so far is due, in large part, to its strong focus on providing the most cost-effective, reliable and compliant flood resistance solutions.

The BSI Kitemark for Flood Resistance based on BS 851188 is proof that M3 Floodtec not only meets the testing requirements for the standard, but also that it has the quality management and production control systems in place to continue to meet them over time. When customers choose flood resistance products that bear the BSI Kitemark they have certainty from a respected independent third party that the products chosen will effectively resist flood water.



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“The BSI independent testing is recognized as a standard that is uniform across the sector. It is also specified by the Environment Agency and many Local Authorities, as well as the major water companies. With these endorsements, domestic customers are far more comfortable with and trusting of our products and we have seen an increase in enquiries since obtaining the BSI Kitemark”

Peter Marchant,
CEO, M3 floodtec

Client challenge

As rainfall increases and sea levels rise, climate change is having a significant impact, leading to sometimes devastating floods in the UK and abroad. They have underlined the importance of flood resistant products and systems to local communities and to national economies. Importantly too, flood resistance is increasingly being associated with public safety and wellbeing and financial security.

M3 Floodtec is committed to the reliability of its flood resistant solutions, with a focus on trustworthy products that provide resilience rather than just protection.

“Flood events are on the increase and the public’s attention is far more focused on property protection and developing flood resilience than ever. Having a robust standard and Kitemarked products, together with a new code of practice for installation, will be fundamental as more flood protection projects are rolled out,” comments Peter Marchant, CEO, M3 Floodtec.

In the past, the flood industry has suffered from unregulated installations and untested products. Damaging the integrity of the sector, this has made it difficult for builders, insurers, local authorities and members of the public to be certain that flood-resistant products will do their job and minimise the effects and costs of flooding.

BSI solution

M3 Floodtec has commissioned a flood test tank able to fully test flood prevention productions in accordance with the requirements of BS 851188. The majority of its products for property flood protection now bear the BSI Kitemark.

Replacing PAS 1188 which set a benchmark for manufacturers of flood protection products as the risks of flooding in the UK grew, BS 851188 takes this to the next level. As with its predecessor, the new British Standard covers building aperture products, building skirts and wall sealant systems. It also includes automatic perimeter barrier systems incorporating temporary and demountable products. Where the new standard differs though is in its reflection on the growing focus on property resilience.

The new Standard has a more thorough testing regime too, covering a wider spectrum of tests as well as impact and wave, so every potential scenario that occurs in a flood event can be replicated in the testing of a product. This, coupled with a bi-annual audit, ensures that products carrying the BSI Kitemark do what they are supposed to do and that manufacturing standards are maintained. Ultimately, the Kitemark is designed to help customers confidently and easily identify flood resistant products that they can rely on.

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Why BSI?

By achieving the new BS 851188 and BSI Kitemark for Flood Resistance Products, M3 Floodtec demonstrates that its independently tested solutions meet an industry standard. It is an investment that provides credibility, creates a strong foundation for innovation and is resulting in high levels of trust among its customers.