

Understanding Smoke Ventilation Compliance

Façade Automation Engineering by WM Brown & Co.
In partnership with SE Controls.



WB
WM BROWN & CO.

SE
CONTROLS

SE Controls

Exclusive UK manufacturer of window actuators and certified life safety smoke ventilation controls.

Unrivalled knowledge and technical support via involvement in both UK and European standards committees.

Collaboration and testing with most market leading Façade systems, operating within the UK.

Q. What is EN12101-2:2003 and is that the latest standard?

A. The EN12101 series of harmonised standards apply to smoke ventilation products. These standards often have specific requirements relating to installation or testing practice.

For example, EN 12101: Part 2 dictates that unless the actuator and vent profile are tested together as a system, in a smoke environment and at an accredited facility, it is not compliant; therefore, its safety can't be guaranteed and a DoP cannot be issued.

Although there is a EN12101-2:2017 version of the standard, this has been blocked from citation in the OJEU by the European Commission. This means that it is not yet possible to CE Mark products according to this standard. Until the new standard is cited, CE Marking of products in scope must follow EN12101-2:2003.

More information is available in our Tested Solutions Document Portal on our website.

Q. Do the vent and actuator need to be tested together to be compliant?

A. Compliance to the EN12101-2 smoke vent standard was mandated into UK law via the Construction Products Regulation in 2013.

To comply both actuator and vent profile have to be tested together, as a single product, to the test annexes of the standard.

Proof of compliance is the issuing of a Declaration of Performance (DoP) by the company placing the product onto the market.

Q. What Free Area Calculations should I use?

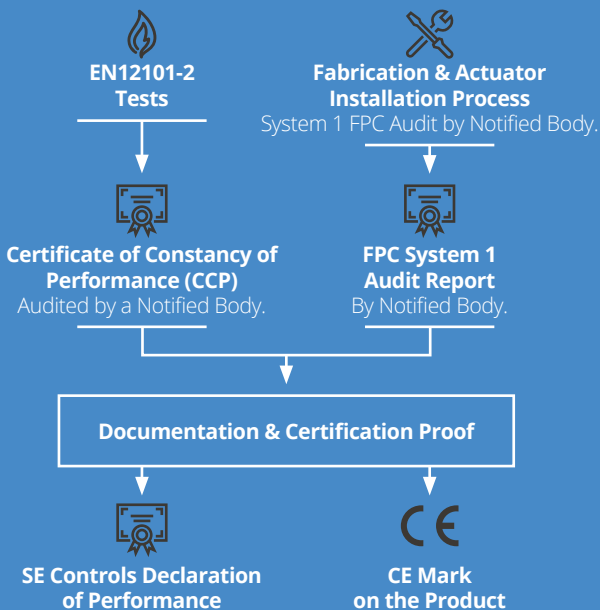
A. The type of Free Area Calculation you should use depends on the building and if it is a high rise residential or non-high rise residential building.

Detailed Free Area guidance is contained within the Tested Solutions documents. Register for access at www.secontrols.com/register. Your dedicated Account Manager will also assist with your enquiry.

Q. What is the Declaration of Performance (DoP)?

A. The DoP is the document to prove compliance in accordance with the Construction Products Regulation 2013. It will be requested by the client, contractor or approved inspectors as proof of compliance.

No DoP, No Compliance.



No DoP, No Compliance.

WM Brown & Co.

Exclusive SE Controls partner in Scotland since 1999.

50 years trading and experience within the industry.

Complete package offering including design, supply, installation, commissioning and maintenance, backed by certification of compliance.

24/7 post installation call out facility.

Capable and reliable with high quality workmanship.

Qualifications:



Benefits of the Tested Solutions Portal

- ✔ Access to the latest compliance information, updated regularly.
- ✔ Free to register.
- ✔ Quick and easy sign-up online. (See Steps).
- ✔ Façade Automation Engineering Guidance and Smoke Ventilation Design and Compliance Guides.
- ✔ Full range of Tested Solutions available for the most popular system companies.

*Join the conversation in our
Tested Solutions LinkedIn Group
www.bit.ly/testedsolutions*

Steps to Register

1. Go to:
www.secontrols.com/register
2. Enter your details
3. Select the system companies you're interested in.
4. Click:
Submit.
5. SE Controls will then be in touch to provide you with your log in credentials, once you are approved by the system company.

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