



In partnership with façade automation specialists SE Controls, and following successful testing of the AA®541 and AA®720 vertical window profiles to the European smoke vent standard EN 12101-2, Kawneer have now successfully tested the inclined AA®100 vent for sloping curtain walling applications.

This success provides an even more comprehensive solution to meeting smoke vent standards that are now mandatory requirements.

The introduction of the Construction Products Regulations (CPR) in 2013 has resulted in the need to CE mark any product placed onto the market that has a harmonised European standard.

The fire test itself entailed opening a 1400mm x 1400mm vent to 85 degrees to optimise free area calculations for future projects.

Kawneer Dealers now have a complete range of vertical and inclined smoke vents certified to EN 12101-2 via SE Controls to meet CPR requirements.

SE Controls are able to provide the Kawneer Approved Specialist Dealer network with full support from estimating, design and CAD through to installation and CE certification. This is due to their certified Factory Production Control system which is verified by an accredited body who are notified to EN 12101-2.

This process is required as a smoke vent is AVCP system 1 which is a higher level than EN 14351-1 system 3 for windows.

A Declaration of Performance (DoP) is then produced by SE Controls to accompany the CE mark on behalf of the Kawneer partner.

To meet the standard, both actuator and vent were tested together to the EN 12101-2 annexes at an independent certified test house and witnessed by a body who are notified to the standard.

The vent and actuator were installed into a furnace in the closed position and the temperature was raised to 300°C at which point the vent was automated to the fully open position.



The vent then had to stay in position for 30 minutes at 300°C without reducing the size of the aperture produced by more than 10%.

Important note: It is not permissible under the standard to substitute products without testing again. Actuators and vents tested separately do not constitute a compliant solution.

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