

ROOM integrity

TESTING & SEALING



Enclosures protected by gaseous fire suppression systems should be tested for air tightness upon commissioning of the system and annually thereafter. This is critical to ensure that the system will work effectively when activated; too much air leakage will result in the concentration of the fire suppressant agent falling too quickly.

Stroma provides the necessary room integrity testing in accordance with NFPA 2001 or ISO 14520 methodologies.

We have extensive experience of testing all types and sizes of enclosure, from server rooms in offices to gas turbine halls in power stations. In each case we carry out the necessary volumetric calculations prior to the test and use calibrated Retrotec test fan systems and Retrotec CA2001 software, to determine results immediately upon completion of the test.

In the event of a failed test result, we will locate and record the air leakage sites using smoke puffers if permitted. We subsequently provide full reports, incorporating all necessary test data, within a 48 hours. The report will include the leakage diagnosis information, if applicable.

Obviously in the event of excessive air leakage from the enclosure, our contracting division is able to carry out the necessary remedial air sealing.

To compliment the room integrity testing service, Stroma also specialises in the supply and installation of gaseous extract systems and fire, smoke and pressure relief dampers, to work in conjunction with the primary gaseous fire suppression system.

Regulatory Reform Order (RRO) Compliance

Under the RRO regulation, fire risk assessments must be carried out in non-domestic buildings, including the evaluation of reducing the spread of smoke and fire. Stroma Contracting can carry out remedial fire stopping and fire protection works as a means of complying with this aspect of the Regulatory Reform (Fire Safety) Order 2005.

We specialise in sealing abutment joints and service penetrations, including around pipes, cables and apertures that pass through fire rated walls and floors, without compromising the element's integrity and insulation.

Our approach is one of speed and simplicity of installation, allowing us to keep expenditure and disruption to a minimum.

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REQUEST A ROOM INTEGRITY QUOTE

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