



# Room Integrity Sealing Works

Workspace Technology offers Room Integrity Sealing Works for any server room or data centre environment to assist in a successful Integrity Test.

The criteria used to determine whether the amount of leakage is acceptable is the retention time. The retention time, is the time it takes for the interface to reach the highest item requiring protection. A minimum retention time of ten minutes applies in most cases, certified by a Room Integrity Test. Failing an Integrity Test may affect your insurance policy and put people at risk. The solution is to have the room resealed.

## Room Integrity Sealing Works Overview

- 1) **Service Penetrations** - Inspect & identify leak points. Fit proprietary sealing systems where possible. Install suitable fixed boards, mineral wool, mastic and/or in-situ foamed sealant.
- 2) **Doors & Windows** - Inspect & identify leak points. Doorsets should incorporate flexible 'smoke' seals and frames should be backfilled or mastic sealed.
- 3) **Construction Joints** - Inspect & identify leak points. Seal board joints and the junctions between wall and floor elements with appropriate fire retardant mastic sealant.
- 4) **Ducting Systems** - Inspect dampers and louvers and adjust to minimise leakage.
- 5) **Pre-testing Inspection** - Prior to testing, chemical smoke pencils will be used in conjunction with the door fan equipment to assist in final leakage identification. These produce only very small quantities of smoke at the perimeter of the enclosure and not used in the vicinity of any sensitive electronic equipment. If any additional penetrations are found these will be sealed using the methods detailed.

## Benefits...

- Ensures Fire Suppression Systems remain effective.
- Re-certifies the room of 12 months.
- Ensures building insurance remains valid.
- Sealing works are performed by specialist Engineers.
- Room pressurised for validation.
- Final inspections using Chemical Smoke Pens.
- Integrity Testing & Certification Option.

## Frequency...

- On failure of a Room Integrity Test.
- Following identification of room penetration.
- After major construction works.



**Workspace**  
Technology Limited  
Technical Prefabricated Building Solutions

[workspace-technology.com](http://workspace-technology.com)  
[mobiledatacentre.com](http://mobiledatacentre.com)

## Other Services



### Data Centre Solutions

When it comes to data centre design build and management, Workspace Technology delivers award-winning solutions for organisations across the UK. We have simplified the architecture from which we design and build data centre infrastructure and associated technology to support client availability, agility, energy efficiency and business needs.

Whether you require a state-of-the-art on-premise data centre build or if space and accessibility is a challenge a Modular or Micro data centre, you can be assured that Workspace Technology will deliver a quality, agile and sustainable solution.



### Technical Prefabricated Buildings

Workspace Technology provides a comprehensive range of prefabricated modular and mobile buildings engineered for flexible, high-performance use across diverse industries. Our solutions include DataCube™ mobile data centres with integrated cooling, fire suppression, and IT infrastructure; SecureCube® high-security SCIFs and secure buildings with advanced physical, acoustic, and RF protection; and TelcoCube™ telecommunications cabins supporting fibre repeater stations, 5G base stations, and a wide range of other telecoms applications. We also offer prefabricated power and cooling modules for scalable technical infrastructure, and bespoke prefabricated solutions tailored to meet specific client requirements.



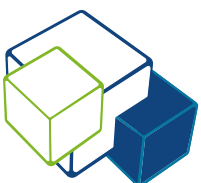
### Maintenance & Support Services

We offer a wide range of services to support your data centre infrastructure to suit your business's demands. We are experienced and qualified to effectively support all your data centre equipment including; air-conditioning systems, chilled water systems, UPS, generators, fire suppression systems, environmental monitoring technology, DCIM and associated mission critical infrastructure.

Interested in finding out more?

Call us: 0121 354 4894

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[workspace-technology.com](http://workspace-technology.com)  
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**Workspace**  
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