



WINNER

**PASSIVE FIRE PROTECTION
INNOVATION OF THE YEAR**

Colt Defender F2 EI60S

The Colt Defender F2 is a discreet fire rated smoke control damper that controls the movement of smoke through a building. Certified to EN12101-8, the Defender F2 is smoke sealed, with 60 minutes integrity and insulation when closed.



DESIGNED TO FIT IN, NOT STAND OUT

The Colt Defender F2 has been specifically designed for use within mechanical shaft ventilation applications in residential and commercial buildings. This unobtrusive fire rated smoke control damper creates a flush finish with the wall when it is closed and can be painted in a wide range of colours to match your building's design.

It is ideally suited to the Colt Shaft system and can be controlled as part of the shaft system network.

The Defender F2 is the most discreet smoke control damper on the market that is tested to EN 1363-1, 1366-10 and ambient leakage tested to 1366-2. It is compliant with the BS EN 12101-8 standard for smoke control dampers; it provides fire integrity, insulation and smoke sealing when closed and efficient and reliable smoke extract when open.

The unit meets the smoke sealed classification for smoke control dampers so that when closed, smoke migration to protected spaces is minimised.



Dimensions:

Aperture size 564mm x 1,151mm. Overall dimensions, including perforated bead edge to allow plaster finish right up to aperture edge, 740mm x 1,325mm.

Colour finishes/options:

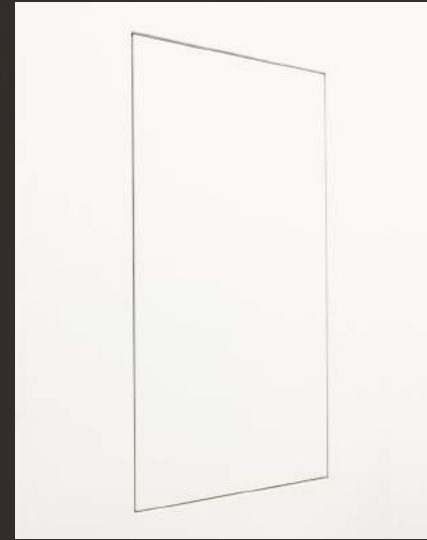
Standard finish is white RAL 9010 matt, satin or gloss. Can be painted on site to match any standard interior wall paint or emulsion.

Maintenance:

The Colt Defender F2 has been designed for ease of installation and maintenance without having to gain access to the shaft.

KEY FEATURES

Invisible Smoke Control



Unobtrusive when closed.



Effective ventilation when open.



Easy installation.



A bead edge profile is fixed to align with the opening edge to allow a plaster finish to be skimmed up to the opening.



Skimmed finish and damper panel can then both be painted to match.



Plaster and site paint finish in any standard interior wall paint or emulsion.

- Certified to EN 12101 Part 8 and is classified to EN 13501-4
- EI60 (Ved i↔o) S 1000 C300 AA Multi
- Fire Integrity = 60 minutes in both directions
- Insulation = 60 minutes in both directions
- Suitable for installation in vertical ducts or shafts
- Smoke sealed
- Tested under pressure = 1000Pa
- Tested for 300 cycles - suitable for testing once a month for 25 years
- Suitable for Automatic Activation
- Multi compartment
- Suitable for applications covered by ADB/9999/9991/SCA Guide
- CE and UKCA Marked

Test results of the test specimens

Classification to EN13501-4	
Integrity (min)	61
Insulation (min)	61
Smoke sealing (min)	61
Test pressure (Pa)	1000
Direction of testing	i ↔ o
Orientation of installation	V _{ed}
Opening type	C ₃₀₀
Activation method	AA
Automatic/Manual	



WHY CHOOSE COLT?



DESIGN SUPPORT FROM THE EXPERTS

Our large and vastly experienced design and technical team enables us to provide CFD, CAD and BIM in-house, providing you with all the support and tools you need for hassle-free smoke control system design. As well as two highly experienced technical directors and a team of specialist smoke control design engineers, we also employ electrical controls specialists and software programmers in-house software programmers. Thanks to our highly trained and experienced staff, we can develop tailor made smoke control systems that will meet both your building's needs, as well as the legalities connected with your project.

At Colt, we scale across multiple markets, which means we have the staff and expertise to develop tailor made systems integrating climate control, natural ventilation, solar shading and smoke ventilation. Our systems can help you unlock your building's potential for energy efficiency, ensure fire safety and create architectural impact. Our experts have an in-depth knowledge of technologies and techniques across a wide spectrum.

FULLY CONTROLLED UK-BASED MANUFACTURING FOR RELIABLE QUALITY ASSURANCE

With our modern manufacturing hub in Havant, you can rest assured about the quality of Colt products. We manufacture from raw materials right

through to finished goods. This means that we control the whole process from start to finish, so we can ensure the quality, performance and reliability of all the products we manufacture. All our products have the highest available level of certification.

REAL-LIFE TESTING TO ENSURE YOU GET THE BEST SOLUTION.

We combine extensive testing with our manufacturing processes to ensure that the systems we provide are the most effective solution for your building. Our R&D Centre uses the latest technologies to carry out evaluations and simulations, with comprehensive testing to verify the performance of our products and systems. We use independent accredited test houses to carry out fire testing, environmental testing (for wind, rain, snow) and safety testing (for load and impact).

THE BUILDING SAFETY ACT IS ALL ABOUT COMPETENCY. SO IS COLT.

Colt has been leading the way in smoke control technology and regulation since the 1950's and we are still doing it now.

With two chartered engineers on eight regulatory committees, including British Standards and European Construction Product Regulations, we are true thought leaders and are actively involved in updating legislation – you can trust us to guide you through the labyrinth of regulations and guidance documentation to design a safe and compliant solution.



We have the experience to advise architects and consultants on the best combination of products and systems to achieve the desired effect and performance.

If you need help with a multi-storey project, talk to us today.

Email us: enquiries@uk.coltgroup.com

Call us: 02392451111

Visit our site: <https://www.coltinfo.co.uk/smoke-control.html>

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“Expertise built on experience.”



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