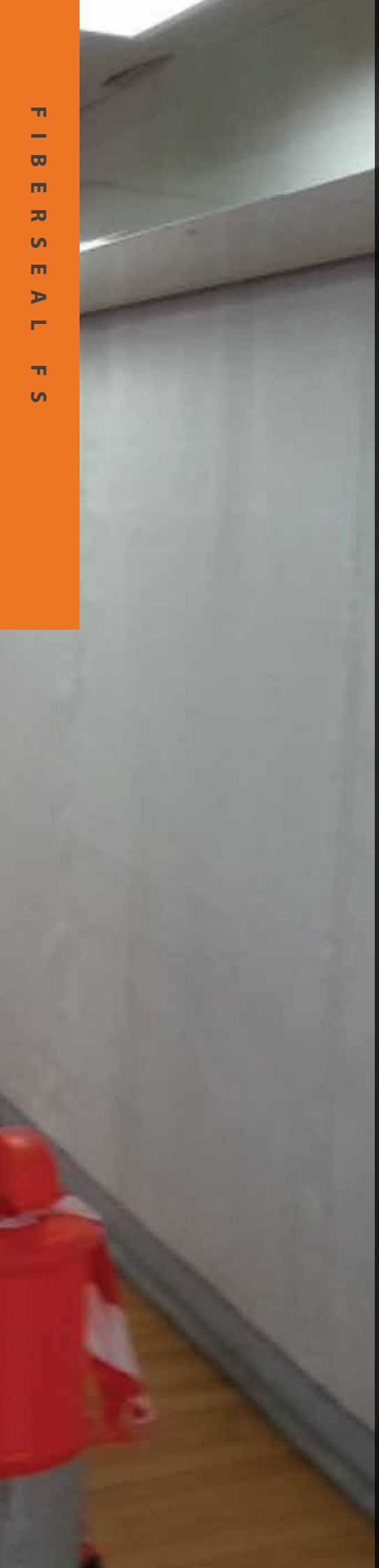
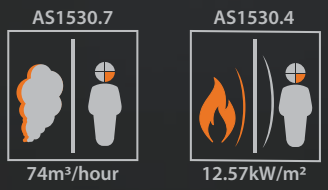


FIBERSEAL FS

FIRE + SMOKE CONTAINMENT



Tested in accordance with AS1530.7 for smoke leakage and also provides a fire rating of -/120/- in accordance with AS1530.4. The Fiberseal FS fire shutter is the highest performing smoke containment shutter on the market. It is designed to protect openings in combined smoke & fire walls or smoke walls from 3m to 7m wide.

- Patented smoke sealing system provides up to 30 times longer tenability conditions
- Tested in accordance with AS/NZS1530.7 for high performance smoke containment
- Fire Tested in accordance with AS1530.4
- Ideal for use in high traffic areas in lieu of smoke doors
- Maximum sizes up to 7m wide x 4.5m drop

SMOKE CONTROL

FIBERSEAL FS Fire + Smoke Containment

INTRODUCTION

The Fiberseal FS may be used in Fire Safety Engineered solutions to increase tenability conditions in basement car parks, underground train stations and other large compartments with relatively low ceiling heights for example or where it is impractical to provide mechanical smoke control measures.



To provide open space, assist with way-finding and to comply with smoke compartment wall requirements in this building, Fiberseal was installed to operate as an automatic smoke wall.

Even with side guides, conventional smoke curtains will typically allow the passage of large volumes of smoke around their perimeter and through the head box. Only Fiberseal contains an innovative patented and proven perimeter sealing system, combined with a specially coated screen capable of reducing the smoke permeability through the system.

COMPLIANCE

The Fiberseal system has been tested in accordance with both AS/NZS1530.7 for smoke leakage and tested in accordance with EN12101.1 Smoke Curtains. This system has also been fire tested in accordance with AS1530.4 to provide a fire resistance level of up to 2 hours.

DESCRIPTION

Fiberseal automatic smoke containment screens consist of a compact header box and flexible screen connected to a control system. The compact header box dimensions means this system can be easily integrated into existing buildings.

The specially reinforced and coated glass fibre fabric screen offers superior radiation shielding properties.

Complementing the unique head box, smoke sealing system and bottom smoke gasket, is a patented labyrinth sealing system incorporated into the side guides.



Fiberseal FS fire and smoke containment screen used to separate a carpark from a shopping centre to upgrade existing glazing system. The system has commenced deployment. See full deployment below.



FUNCTION

SYSTEM OPERATION

The system is designed to activate on receipt of an alarm signal from the master fire control panel or our stand alone control system that allows up to 40 smoke detectors to be connected.

As with all of our curtain and screen systems, deployment is by gravity (gravity fail safe). The rate of descent is controlled mechanically to approximately 4.5m/min to significantly reduce the likelihood of injury to occupants that may be passing through.

Fire and/or smoke curtain systems that do not have this gravity fail safe function do NOT comply with the Building Code of Australia requirements for fail safe in the event of power failure. (Refer to BCA Clause C3.6 for example). Power failure can mean either a blackout event or disconnection/damage of the electrical cable.

A 240 volt tubular motor which incorporates an electro-magnetic brake, adjustable mechanical upper and lower limits is used only to rewind the system on reset of an alarm or power.

Battery back up is available as an option to reduce the (likely hood) of nuisance deployments in the event of a power failure but NOT essential to the effective operation of the system in fire mode.

There is a complete range of control options and combinations to suit specific project functionality requirements including a basic trigger unit, preprogrammed master control and battery back up.

Each barrier can be individually operated from a low-level surface mounted key switch, push button or break glass.

Other features include Safety Edge (system stops deployment if it hits an obstruction), audible and visual warning system and staged deployment.

Please contact our technical department for details on 1300 665 471.

VERIFICATION OF PERFORMANCE

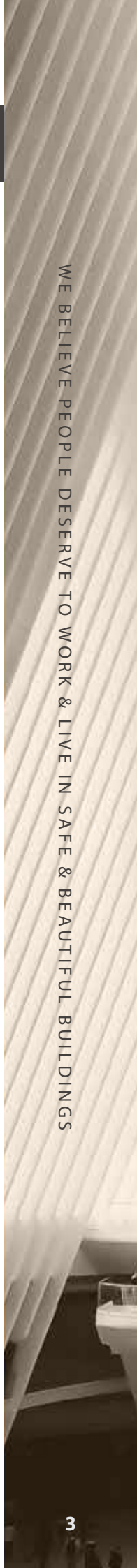
Unlike complex pressurisation systems that may take weeks or even months to successfully commission, Fiberseal is easily commissioned as soon as power is available.

In addition, the system is not susceptible to being chocked open like smoke doors in smoke lobbies or re-commissioning due to internal refurbishments or fit outs like pressurisation systems.

INSTALLATION

In line with Smoke Control's mission to provide customers with reliable solutions, the Fiberseal system is installed by our fully trained and approved installer network.





FIBERSEAL FS Fire + Smoke Containment



MAINTENANCE

As with all essential services Fiberseal should be maintained in strict accordance with our documented procedures by fully trained and competent technicians. Operational tests alone are not considered adequate and when conducted by inexperienced personnel, may lead to damage of the product. Smoke Control offers a comprehensive preventative maintenance program which has proven costs savings over the life of the product.

Please contact our maintenance department for details on 1300 665 471.

MAXIMUM SIZES

7m wide x 4.5m drop. (larger sizes subject to project specific approvals)

OPERATING SPEED

Approximately 4.5m per minute.

PROJECT SPECIFICATION

"An automatic smoke containment screen, complete with labyrinth sealing system shall be installed in the designated openings. The system shall be tested in accordance with(*) AS/NZS1530 Part 7 to provide a leakage rate of no more than 1 m3/hour per m2 of door opening at 25 Pa and 200'C. The system shall be the Fiberseal* smoke containment screen.

(*) for the system is also approved in accordance with AS1530.4, Fiberseal should be substituted with "Fiberseal FS" when combined fire and smoke performance is required.



* include "AS1530.4 for a -/120/- fire rating and AS/NZS 1530.7" if Fiberseal FS is required.

Information given in this publication is given to the best of our knowledge and in good faith. Smoke Control is not responsible if recipients of test reports, assessments or literature misinterpret the contents and wrongly use products based on those misinterpretations. No liability is accepted for error omissions in this document. Smoke Control reserves the right to change specification without notice.

APPLICATIONS

Ideal for small to medium openings, Fiberseal can be used to provide Fire & Smoke compartmentation in:

- hospitals
- residential care buildings
- servery openings

ACCESSORIES

- obstruction sensors
- stage deployment
- battery backup
- rewind switches
- exclusion zone sensors
- sounders & strobes
- curtain applied signage
- staged deployment
- fire rated bulkhead & corner posts





WE BELIEVE PEOPLE DESERVE TO WORK & LIVE IN SAFE & BEAUTIFUL BUILDINGS

GENERAL INFORMATION

TECHNICAL SUPPORT



Smoke Control offers obligation free technical support and pricing throughout your design and documentation stage so you can accurately prepare your budgets through value engineering.

You can also download the set of specifications, drawings and technical data from our website www.smokecontrol.com.au.

Contact our technical department to discuss your project requirements, or feel free to arrange a meeting.

Australia	International	New Zealand
1300 665 471	+61 2 96814000	+64 9 300 1980

A LITTLE MORE ABOUT US...

Smoke Control was established in 2003. We partner with leading local and international organisations to work with the new performance-based design environment - in addition to the traditional prescriptive environment - designing and installing systems to meet the challenging fire and smoke control demands of modern buildings.

Constant research and development continue to enhance our offering of fire windows, fire shutters and fire & smoke curtains, bringing the most innovative technology to both regular and unique project challenges. If you cannot find what you are looking for, please contact our team as we may already have a solution for you.

Smoke Control services all regions in Australia and New Zealand via our own offices and people. International customers can contact our Australian office by phone or email for your nearest distributor.

SMOKE CONTROL

We believe people deserve to work & live in safe & beautiful buildings