SmokeStop™ evacU8® is a unique patented bi-roller system which has interweaving, overlapped panels as narrow as 600mm wide. Each panel overlaps the other and has its own self levelling bottom ballast system. Evacuees can simply 'WALKTHRU™ the panels which then fall back into place, helped by the patented anti-tangle overlap retention system. The evacU8® curtain is compliant with the Equality Act.

Active Smoke Barriers comprise technologically advanced fire-resistant fabric barriers encased in a compact steel housing. Barriers remain invisibly retracted until activated by an alarm or detector signal, at which time they descend safely to their fire operational position.

To be compliant, Smoke Barriers must be protected from a short circuit and or total power failure, this is achieved with our patented Total Gravity Fall-Safe (TGFS) system. Smoke Barriers will control the spread of smoke in a building and protect the means of escape and create tenable conditions.

When activated, SmokeStop™ evacU8® descends at safe controlled speeds in accordance with the Machinery Directive. Evacuees can then approach the barrier quickly, safely and see if anyone is coming the other way. Approved escape signage can show which panels to pass through to avoid collision and tangling. When retracting, the combination of sequential ascent, the re-aligning panel system with the divide and separating bi-roller system ensures a trouble free operation.

**PRODUCT ADVANTAGES**

- Total Gravity Fall-Safe (TGFS) operation ensures safe rates of descent even following total power loss, wiring, short circuit or system corruption
- Anti-tangle, re-alignment and bi-roller overlapping system
- Self levelling bottom ballast system to overcome uneven floors
- See through panels are highly translucent for safety
- Unique strip retraction enables safe, consistent rewinding when ascending
- Unique mechanical over ride system for Emergency Services (Optional)
- Additional safety escape signage can be applied as directed

**LIFE SAFETY**
- The over increasing need for tenable conditions for life safety

**PREVENTION**
- Prevents smoke spreading, threatening life and buildings' contents

**ESCAPE**
- Provides an intuitive means of escape

**QUICK AND EASY**
- Installation is quick and easy with minimal effort

**HIGH OCCUPANCY**
- Ideal for high occupancy evacuation of buildings when deployed

**COMPLIANT**
- Equality Act compliant

**WHY IS A WALKTHRU™ SMOKE BARRIER REQUIRED?**

**CASE STUDY: YORK MINSTER**

York Minster Revealed (YMR) is the UK’s largest restoration and conservation project of its kind. This ambitious transformation of York Minster’s visitor experience presented the Cathedral with a number of fire safety challenges that needed addressing prior to the opening of the Cathedrals below ground Undercroft and Treasury exhibition spaces.

Appointed architects Arrol & Snell assigned Coopers to develop a system that would help protect the Cathedral’s Undercroft and Treasury from smoke migration in the event of a fire.

The smoke barrier system had to allow visitors to exit the Undercroft and Treasury safely, whilst preventing smoke from entering the main body of the Cathedral, but any system had to be sympathetic to its unique and ancient architecture.

To meet the criteria, Coopers produced and installed four SmokeStop™ evacU8® Smoke Barriers developed to work with the Undercroft's visitor flow and footfall, whilst a traditional SmokeStop™ Smoke Barrier was installed to compartmentalise the Chambers.

**BENEFITS**

- Manufactured by Coopers in the UK under ISO 9001;
- Products supplied are CE Marked in accordance with the Construction Products Regulations and are approved accredited under an Independent Third Party Certification scheme;
- Unique WALKTHRU™ curtain barrier technology; and
- Bespoke development and manufacture

"Coopers developed a unique smoke containment system that ensures our visitors are protected in the event of fire" Mark Hosea, Director, York Minster Revealed
THE BENEFITS OF evacU8® SMOKE BARRIER

- Small compact headbox - easily concealed
- Trouble free operation design features
- Unobtrusive remote controls
- Mechanical override (optional)

SmokeStop™ evacU8® uses a unique low opacity polymer coated glass fibre fabric for high performance impermeability, crease and abrasion resistance and translucency, which is ‘A1’ classified, the highest rating for reaction to fire classifications available in accordance with BS EN 13501-1+A1.

SmokeStop™ evacU8® is CE marked and tested to BS EN 12101-1+A1 and has achieved a D600A classification to BS EN 13501-4+A1.

DEPLOYMENT OPTIONS

Standard Deployment

1. Full closure of alternate fabric panels creates clear escape routes

Multistage Deployment

2. Partial closure of all fabric panels provides initial smoke layer depth protection whilst allowing clear WALKTHRU™

3. Full closure of remaining fabric panels provides total smoke protection whilst still allowing WALKTHRU™

4. Full closure of remaining fabric panels provides total smoke protection whilst still allowing WALKTHRU™

SIGNAGE
- The fabric panels of the curtain can be easily printed onto displaying any necessary images such as fire escape signs, messages or company logos, where agreed by an approved authority.

ALARMS SYSTEM
- Can be stand alone with an independent smoke and/or heat detector or connected to a building’s existing fire alarm system.

BMS (Building Management System)
- The system can easily be incorporated into any Building Management System.

OPTIONS

The following options are available with the SmokeStop™ evacU8® system:

MECHANICAL OVERRIDE
- As an optional extra, the smoke barrier can be supplied with a manual override system designed to provide local, manual control of the smoke curtain’s deployment and ascent.

The feature allows maintenance teams to turn off the power to the smoke barrier to conduct planned and necessary servicing or maintenance.

TRANSLUCENT FABRIC
- Allows escapees to see the other side of the escape route therefore being aware of any possible danger and removing the risk of injury.

SIZES

<table>
<thead>
<tr>
<th>Standard Size Range Available (Metres)</th>
<th>Widths up to</th>
<th>Drops up to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Size</td>
<td>Unlimited</td>
<td>6.7m*</td>
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</table>

*Cooper has a design solution for any size requirement. Specific heights may increase panel width and overlap, please contact our technical department for further information.
**PRODUCT SPECIFICATION**

The complete system is CE Marked in accordance with the Construction Products Regulation (305/2011), as required by the CE Marking Directive (93/68/EEC), when tested in accordance with BS EN 12101-1+A1:2005. System is classified as Dp,A in accordance with BS EN 15521-4:2007+A1:2009. The complete system is also classified to DA to BS ISO 21927-1:2008.

EFP™ 2/600/T is a tried and tested smoke fabric. The base fabric is glass fibre with a specially formulated low opacity and fire retardant polymer coating to allow some visible light to pass through.


**DON’T BE LIABLE**

Smoke Barriers are legally required to be CE Marked under the Construction Products Regulation. They must be fail safe in the event of total mains, wiring, short circuit and/or system corruption.

Coopers Fire, with their unique patented Total Gravity Fail-Safe (TGFS) system, are the only supplier with Independent Third Party Certification by a UKAS approved certification body, and CE Marked as fully compliant with BS EN 12101-1:2005+A1:2006.

**COMMON APPLICATIONS**

- Underground Rail Stations
- Airports
- Stadiums
- Museums
- Office Blocks
- Cinemas
- Shopping Centres
- Libraries
- Universities
- Schools
- Hospitals
- Restaurants
For information, to get a quote or to book a CPD workshop

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Coopers Fire Ltd has a policy of continuous product improvement. As such we reserve the right to change design and specifications without prior notice. Please check our website for the latest information.

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LEADING THE WAY IN FIRE PROTECTION