



The Leader in Integrated
Fire Doors and Smoke
Curtain Technology

Integrated Doors

Fire Protective Smoke Curtains

Door Systems
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Door Systems Newsletter

April 2024

SMOKE & FIRE CURTAINS

by Door Systems



Introducing DSI-FW119 Deployable Fabric Fire Wall

A vertical-acting fabric firewall that was tested for 2 hours.

The **DSI Deployable Fabric Fire Wall Model DSI-FW119** allows architects to exceed the maximum 25% fire barrier opening penetration restriction. (**IBC Section 707.6**) Typical overhead or side-acting opening protectives with a fire-resistance rating fall into this limitation.

However, with an ASTM E119/ UL263 rating, the DSI Deployable Fabric Fire Wall is considered a wall and, therefore, meets the exception (Exception 3) and is not

limited to this rule.

IBC Section 707.6

Exception 3: Openings shall not be limited to 156 square feet (15 m²) or an aggregate width of 25 percent of the length of the wall where the opening protective has been tested in accordance with ASTM E119 or UL 263 and has a minimum fire-resistance rating not less than the fire-resistance rating of the wall.

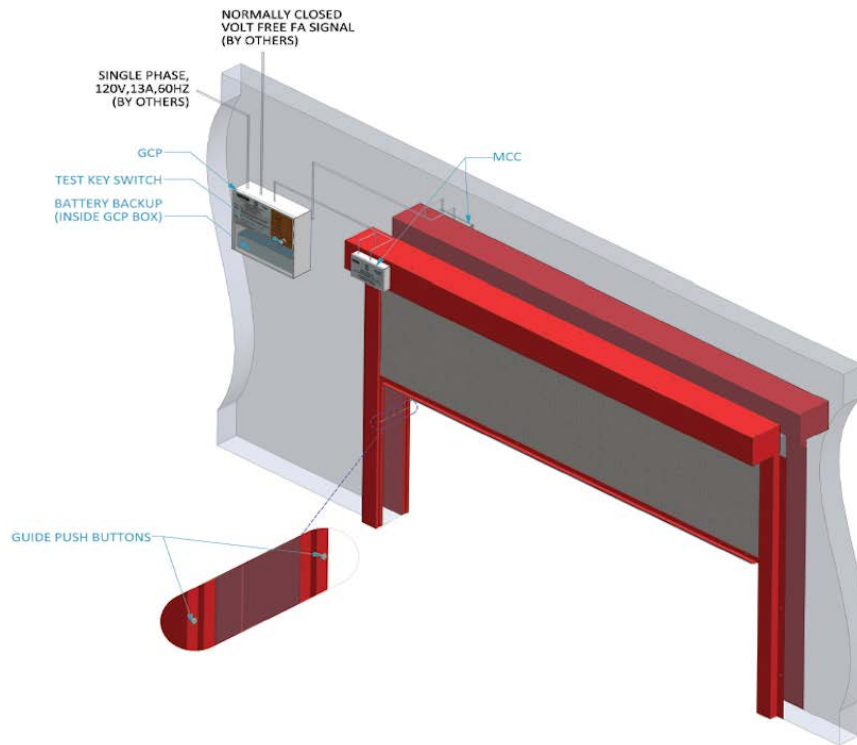


Tested and listed to:

- UL 10B, ASTM E2226: 120 minutes fire rating
- UL263, ASTM E119: For a 2-hour firewall
- UL 864: Controls for Fire Protective Signaling Systems
- 250-degree Temperature Rise rating for up to 120 minutes

The DSI Deployable Fabric Fire Wall consists of two DSI Hose Stream Rated Smoke and Fire Curtains mounted back-to-back. This creates a small, lightweight package above the ceiling that remains virtually invisible until deployed.

The curtains consist of proprietary lightweight multi-layered fire-rated fiberglass/stainless steel fabric and slim steel side guides that can be hidden in the walls.

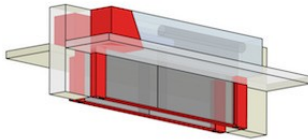


DSI-FW119 Deployable Fabric Fire Wall

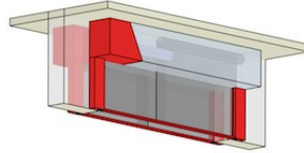


Fire Barrier

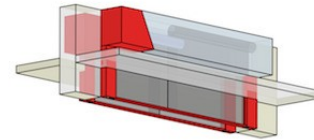
HEADBOX FINISHING OPTIONS



Flush to Ceiling(HBFC_01)

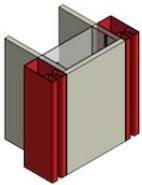


Exposed Mount(HBEM_01)

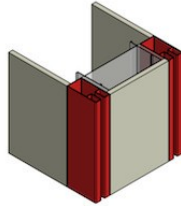


Shadow Gap(HBSG_01)

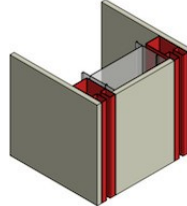
SIDE GUIDE MOUNTING OPTIONS



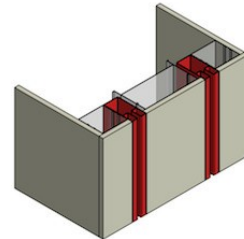
Exposed Flush(SGMEF_01)



Butt to Wall Flush(SGMBWF_02)



Insert in Drywall(SGMIDF_03)

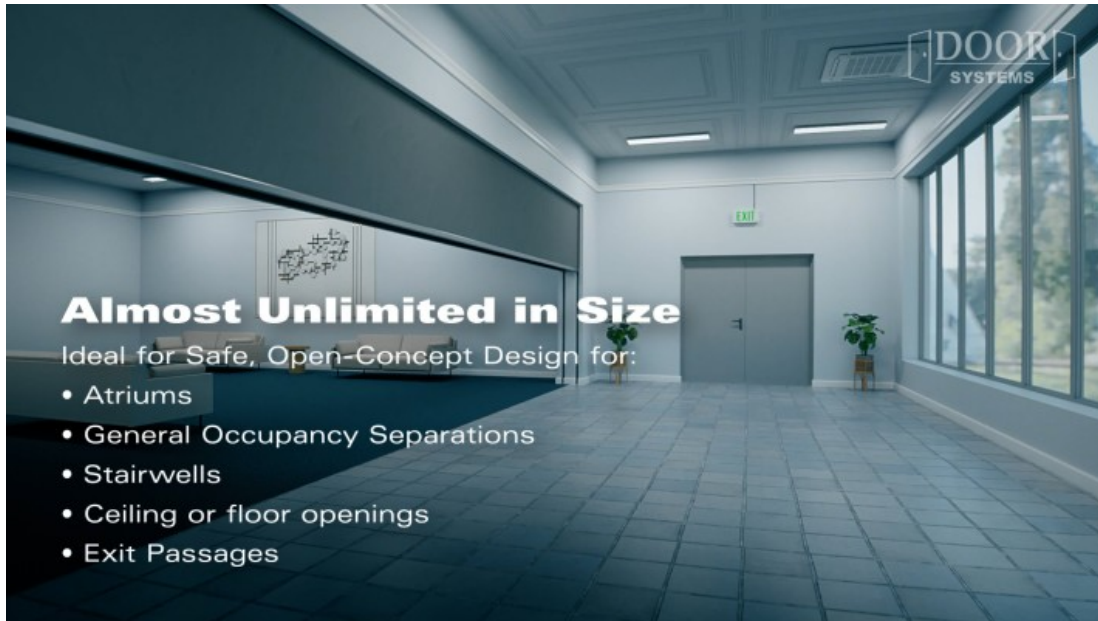


Insert in Wall Flush(SGMIWF_3A)

Protected path of egress

The DSI-FW119 can serve as an exit component in an egress corridor as described in (IBC Section 1024.1)





Almost Unlimited in Size

Ideal for Safe, Open-Concept Design for:

- Atriums
- General Occupancy Separations
- Stairwells
- Ceiling or floor openings
- Exit Passages

IBC Section 1024.1

Exit passageways serving as an exit component in a means of egress system shall comply with the requirements of this section. An exit passageway shall not be used for any purpose other than as a means of egress and a circulation path.

Fire barriers for atrium enclosures

As described in (IBC Section 404.6), atriums require a 1-hour fire barrier. The **DSI-FW119 DEPLOYABLE FABRIC FIREWALL** is rated for up to 2 hours and does not have the size limitations of traditional fire barrier openings.



IBC Section 404.6 Enclosure of atriums

Atrium spaces shall be separated from adjacent spaces by a 1-hour fire barrier constructed in accordance with Section 707 or a horizontal assembly constructed in accordance with Section 711, or both.

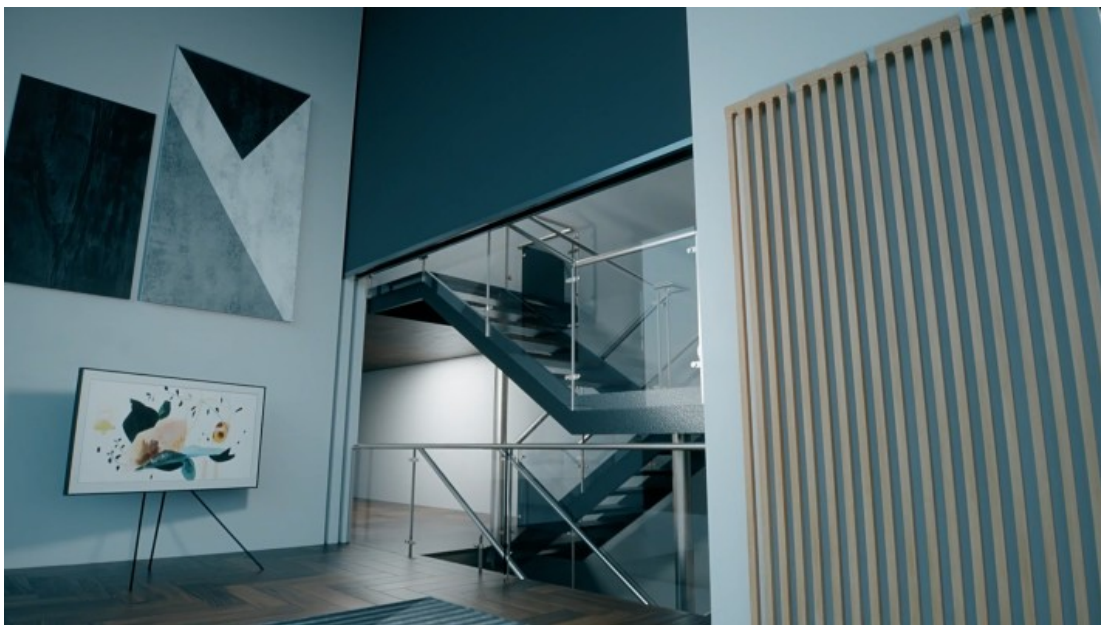
Let your open plan designs flourish by incorporating the ASME E119 Tested Fire Wall by Door Systems, Inc.

FEATURES FOR DSI-FW119 DEPLOYABLE FABRIC FIREWALL

- Creates open space for your building design.
- Allows designers to go beyond the 25% fire barrier penetration restriction.
- Saves money by reducing or eliminating smoke evacuation systems.
- Compact design
- Code compliant – Tested to ASTM E119/ UL 263
- Fire-rated up to 2 hours.
- 250-degree Temperature rise rating after 2 hours
- Battery backup system standard
- Fail-safe deployment with automatic reset



Galleries and Meeting Spaces



Stair Cases



Floor Openings



DSI-FW119 Deployable Fire Wall

The DSI Deployable Fire Wall incorporates the cutting-edge technology of our **Hose Stream Rated Smoke and Fire Curtain** but has the advantage of being tested as a 2-hour fire-rated wall assembly.

This, in turn, allows architects more cost-effective options for open space design while still meeting code requirements.

Discover more possibilities @ www.doorsysinc.com

UL10B HOSE STREAM RATED CURTAIN PRODUCTS

Hose Stream Rated Smoke and Fire Curtains incorporate the cutting-edge technology of our UL 10D curtain products but with the advantage of being code compliant in any fire wall rated up to 3 hours.



DSI-HS10B Hose Stream Rated Smoke and Fire Curtain

With a UL10B 3-hour fire rating, the DSI-HS10B Fire Curtain can be used in fire walls and fire barrier walls as a replacement solution to traditional Coiling Steel Fire doors.

See DSI-HS10B
Hose Stream Rated
Curtain →



DSI-HHS10B Hose Stream Rated Horizontal Fire Curtain

The DSI-HHS10B Hose Stream Rated Horizontal Fire Curtain allows architects to compartmentalize large floor openings reducing mechanical smoke evacuation systems.

See DSI-HHS10B
Horizontal Fire
Curtain →



DSI-FW119 Deployable Fabric Fire Wall

The DSI Deployable Fire Wall incorporates the cutting-edge technology of our Hose Stream Rated Smoke and Fire Curtain but with the advantage of being tested as a 2-hour fire rated wall assembly.

See DSI-FW119
Deployable Fire
Wall →

Contact **Door Systems** today to discover innovative solutions to your existing smoke and fire protection needs and **assist in the concept, design**, and layout of all future smoke and fire containment projects.



AIA Courses for Your Team!

AIA Courses are now available for the DSI-FW119 Deployable Fabric Fire Wall.

[Schedule Yours Today!](#)

You can also find us on the following:



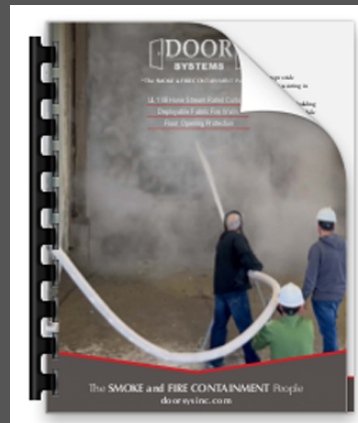
[Click here](#) to access Door Systems's design files including BIM/Revits models, CAD drawings, specifications, videos and related documents.



For more information feel free to visit our website at www.doorsysinc.com or call us at 866-534-3667

We are also available for architectural presentations, lunch and learns or come visit our showrooms.

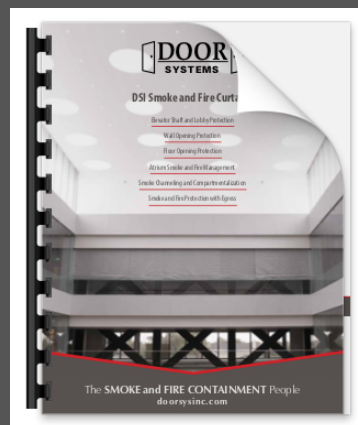
[Download Our New Brochure!](#)



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