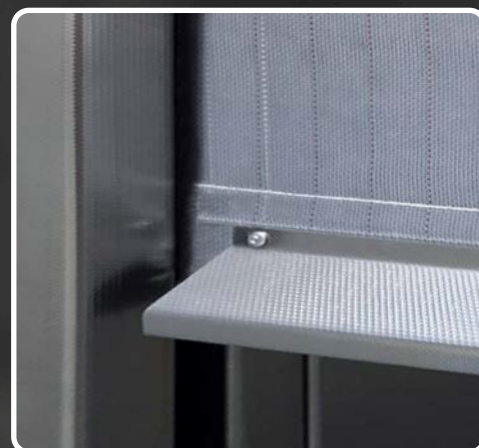


www.meiller-aufzugtuere.de



SmokeGuard[®]



Lift doors with integrated smoke protection system

Lift doors with integrated smoke protection system
Lifts with smoke-tight sealing between floors



SmokeGuard®

After the catastrophic fire in 2017 in London's Grenfell Tower there has been an ever-increasing demand for "smoke-tight" lift doors. On the one hand, such door systems cannot be realised due to design factors and on the other hand there are standards-related factors that also impede this.

To prevent smoke spreading through the lift doors, through the lift shaft and into other floors, there is only one possibility: The landing doors must be combined with a smoke-tight seal that does not impair the fire-certification criteria.

MEILLER has developed the solution with **SmokeGuard®**: Landing doors, fire-tested per EN 81-58, are combined with a smoke protection curtain from a renowned manufacturer.

An accredited fire institute has tested this combination and confirmed that the installation of the smoke protection curtain on the fire-tested landing door in no way affects the fire resistance.

In practice, a number of prerequisites must be observed when ordering the landing doors: EvoN installation type (niche installation), frame width 100 mm etc. The frame and sill are then prepared by MEILLER for the installation of the smoke protection curtain. The curtain itself is installed at the construction site on the frame and sill of the landing door.

Thanks to a universally applicable control system for the smoke protection curtain (static or dynamic fire control, fire alarm control panel or others), the triggering of the smoke protection curtain can be integrated into any conceivable scenario. This must be implemented accordingly by the lift manufacturer or the controller manufacturer.

Quality features SmokeGuard®

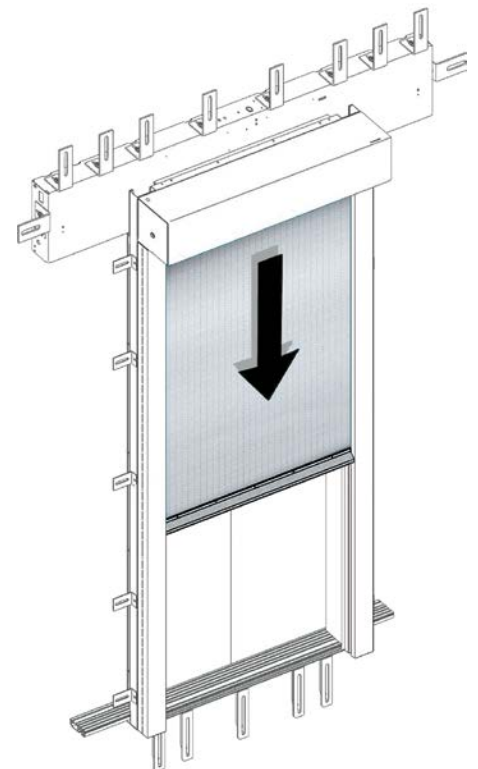
- Landing door with smoke-proof protective curtain for sealing off the lift car and lift shaft floor by floor
- Guarantee of fire-protection criteria with compliance with EN 81-58 resp. ISO 3008
- Combination of door and smoke-protection curtain tested and approved by accredited fire institute
- Smoke-protection curtain per DIN EN 12101-1, smoke hoods
- No impairment of the performance with regard to the power, speed, noise level or energy



The smoke protection curtain prevents smoke penetrating the lift shaft.

SmokeGuard® is available for all MEILLER sliding doors with steel door panels (double skin) or vision panels, up to a max. door height of 3000 mm (vision panel max. height: 2445 mm).

SmokeGuard® is thus the first solution on the market for smoke-proof lift landing doors and is protected by utility patent.



SmokeGuard® - Dimensions

Door design (steel, double skin)	Clear door width (CDW)	Clear door height (CDH)
Centre-opening, 2-panel, S-2-Z	DW = 700 - 1700 mm	DH = 2000 - 3000 mm
Side opening, 2-panel, S-2-R/L	DW = 700 - 1700 mm	DH = 2000 - 3000 mm
Centre-opening, 4-panel, S-4-Z	DW = 700 - 2780 mm	DH = 2000 - 3000 mm
Side opening, 3-panel, S-3-R/L	DW = 700 - 2000 mm	DH = 2000 - 3000 mm
Centre-opening, 6-panel, S-6-Z	DW = 1050 - 3500 mm	DH = 2000 - 3000 mm

Door design (steel, double skin with vision panel)	Clear door width (CDW)	Clear door height (CDH)
Centre-opening, 2-panel, S-2-Z	DW = 700 - 1500 mm	DH = 2000 - 2445 mm
Side opening, 2-panel, S-2-R/L	DW = 700 - 1500 mm	DH = 2000 - 2445 mm
Centre-opening, 4-panel, S-4-Z	DW = 700 - 2780 mm	DH = 2000 - 2445 mm
Side opening, 3-panel, S-3-R/L	DW = 700 - 1800 mm	DH = 2000 - 2445 mm
Centre-opening, 6-panel, S-6-Z	DW = 1050 - 3300 mm	DH = 2000 - 2445 mm



Meiller Aufzugtüren GmbH

Ambossstraße 4
80997 München

Phone: +49 89 1487 – 0

Fax: +49 89 1487 – 1566

E-Mail: info@meiller-aufzugtuere.de

www.meiller-aufzugtuere.de