firemaster® egress

fire and smoke rated curtain with egress doors

greene
fire

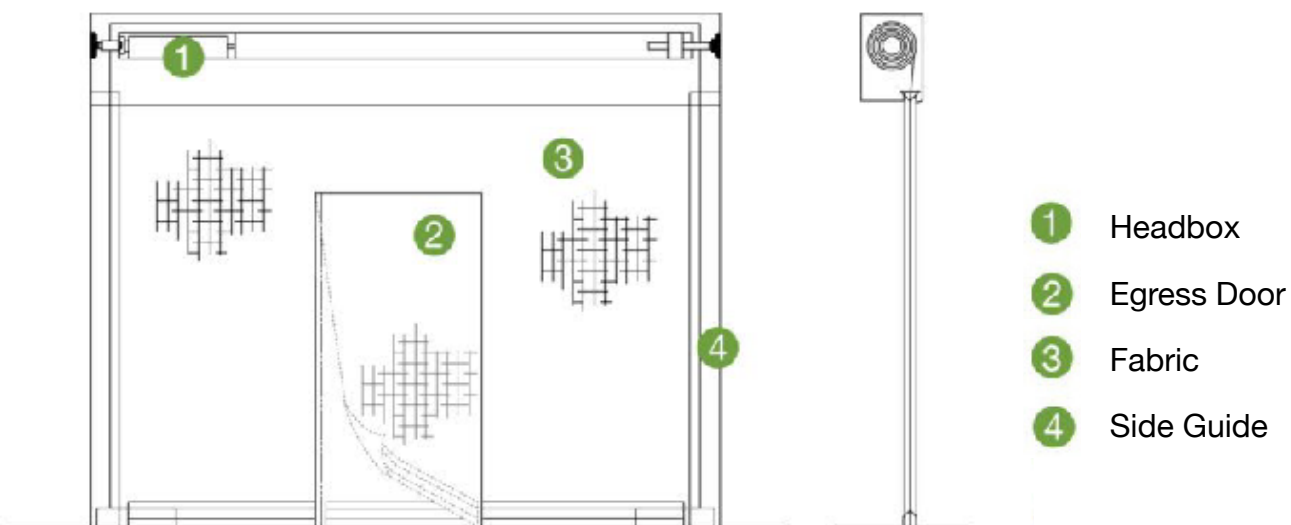delivering engineered solutions

firemaster® egress

FireMaster® Egress is a first in the industry for a fire and smoke rated curtain with one or multiple integral egress doors. The FireMaster® Egress fire and smoke rated curtain is the only fire rated fabric curtain on the market that is 180 minute fire rated and smoke & draft rated.

The FireMaster® Egress incorporates a new concept in egress doors. The soft-surface egress door can be pushed open with less than 14kg of force applied to the interior surface. Once opened, a building occupant can easily pass through for egress.

1. Headbox
2. Egress Door
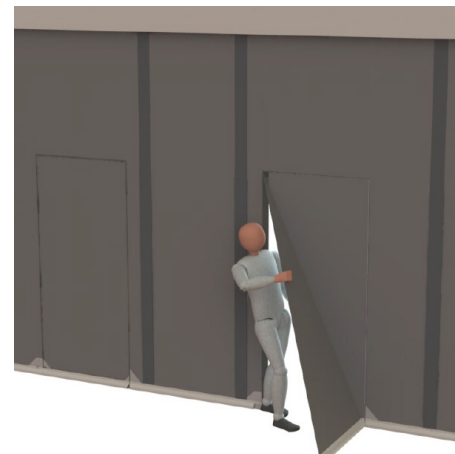3. Fabric
4. Side Guide

operation

The system shall be fully protected and fail-safe by GRAVITY, meeting the requirements of ASB3 avoiding the need for fire rated cabling. The system shall descend by gravity and drive up with main power available. The speed of descent with be in range from 0.06m/s to 0.15m/s.

soft egress doors

Once deployed, a manually operable soft surface swinging type egress door is available for safe escape. The swinging egress door shall be readily operable from the egress side without the use of a key or special knowledge. Simply push the door and walk through, the door will automatically close behind you, sealing the gap. The closing seal is a tested, fire rated velcro.

fire rating

The Firemaster Egress is the only solution on the market that can provide up to 180 minutes fire integrity to UL10D. Also smoke rated to UL1784.EWFA-RIR-21553.

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barrier construction

Single roller construction with wide single roller assemblies for larger fire curtains. Approved to spans of 18m (w) and 6m (h), oversize solutions can be developed. One or more soft egress doors integral to the single fabric panel.

fabric

The Curtain shall be of EFP™ 4/1000 type reinforced fabric curtain, consisting of a satin fiberglass fabric with integral stainless steel wire weave and 180 minute fire retardant polyurethane coating. Curtain shall nominally be 0.65 mm ±0.05 mm thick.

bottom bar

Consist of two (2) sections of folded 2.0 mm (14 gauge) galvanised angles formed into a triangular shape to fit the curtain, provide stiffness and limit deflection and allow for a tight fitting closure.

test / reset

Test is performed by a simple key switch operator. The system is reset manually by pressing the reset button on the control panel. Automatic reset is available.

installation

This product is installed by our expert technicians, ensuring that the product is working to its maximum capabilities. We also provide service technicians which ensure that the system is well maintained, ensuring that the system is always at 100%. Please account for a lead time as this is a product that requires specific development based on your requirements.

material finish

All surfaces are galvanised steel. This can be powder coated to any desired RAL colour.

benefits

- **Fire & smoke rated**
- **Can incorporate multiple egress doors**
- **Removes the requirement for emergency retract or deployed deployment**
- **Eliminates the requirement for the controls to be able to function during a fire event**
- **Allows the removal of separate exit doors**
- **Total gravity failsafe descent**
- **Can be fixed directly to lightweight structures**

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