FIRE PROTECTIVE SMOKE CURTAIN
ELEVATOR FIRE CURTAIN SD

The Fire Curtain SD is installed in front of elevator openings and deploys automatically to protect elevator shafts from vertical smoke migration.

The Fire-rated curtain SD operates automatically when connected to the Fire Alarm System.

The Smoke and Fire Curtain SD is certified and labeled to UL 10D and further certified to UL 1784.

Smoke and Fire resistance

60 minutes

180 minutes

PRODUCT DATA SHEET | FIRE RATED CURTAIN SD

PRODUCT DESCRIPTION

The Fire Protective Smoke Curtain SD is an automatic, gravity-drop barrier with integrated seals that prevent fire and smoke from transferring from one part of a building to another.

The curtain consists of a roller covered with a fiberglass fabric which is incorporated into a galvanized steel housing.
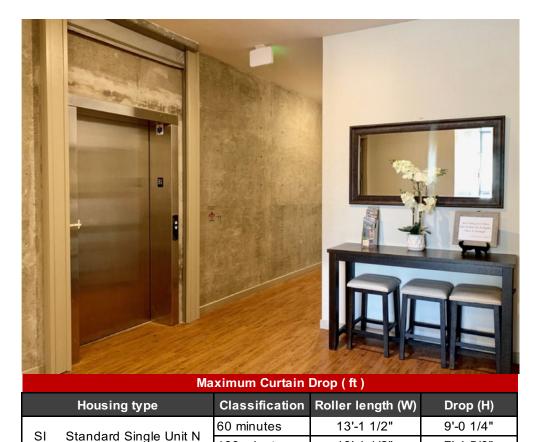
The roller unit incorporates a motor, planetary gearbox, and control electronics with a microprocessor. The microprocessor monitors the resting position when rolled up and independently regulates the closing speed to a maximum of 0,15 m/s (6in / sec).

The housing is equipped with specially developed reinforced brackets, that maintain integrity at high temperatures.

The bottom of the housing is closed off with a panel that allows the entire length of the system to be accessed.

The system is equipped with **FD side guides.** Their special smoke sealing design ensures that the required compartmentalization is achieved and mantained.

There are no visible fasteners either on the underside of the housing or on the front of the side guides.

Maximum Curtain Drop (ft)				
Housing type		Classification	Roller length (W)	Drop (H)
SI	Standard Single Unit N	60 minutes	13'-1 1/2"	9'-0 1/4"
		180 minutes	13'-1 1/2"	7'-4 5/8"
SI	Standard Single Unit L	60 minutes	13'-1 1/2"	13'-1 1/2"
		180 minutes	13'-1 1/2"	13'-1 1/2"

A bottom bar is attached to the bottom of the curtain and serves to ensure that the curtain operates as designed and also that it remains stable when unrolling.

The bottom bar makes contact with the floor when the curtain is deployed, creating a smoke-tight seal with the building structure.

The curtain **headbox and side guides** can be polyester powder coated in all RAL colors.

The 3 Hr **Fire Rated Woven Fiberlass Fabric** is silver grey and can be printed with custom signage per customer request. The unit can be configured with mounting brackets either for wall or ceiling mounting.

- Housing
- 3 Hr Fire Rated Woven Fiberlass Fabric
- Bottom Bar
- Side Guides