



**FIRE CURTAIN  
TECHNOLOGIES**

Smoke and Fire Curtains

## **AUTOMATIC SMOKE CURTAIN SMOKE SEALED CURTAIN SD**

The Smoke Sealed Curtain is designed to restrict the passage of fire and smoke. It operates automatically when connected to Fire Alarm Controls.

### **APPLICATIONS:**

Fire Protective Smoke Curtains are used in all industrial and commercial buildings, e.g. shopping centers, office buildings, elevator landings, lobbies, hospitals, retirement homes, atria, etc.

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

Smoke and Fire resistance

**Model SD1/60 1 hr fire rating**

**Model SD1/180 3 hr fire rating**

# PRODUCT DATA SHEET | SMOKE SEALED CURTAIN SD

## KEY FEATURES



Tested by UL in accordance with **UL 10D & UL 1784**

Fire rating:

**1 hour - 1700°F** Glass fabric

**3 hour - 1920°F** Glass fabric with coating and stainless-steel inlay

Materials class: **A2-s1, d0**

**PIN SIDE GUIDES** with integrated seals

Manufactured in Germany by **COLT GROUP INTERNATIONAL** in accordance with ISO 9001:2008



## 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 maintained.

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 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.