AUTOMATIC FIRE CURTAIN
FIRE PROTECTIVE CURTAIN FA

The Fire Protective Curtain is a gravity-deployed fire barrier that maintains the integrity of a fire-rated wall in commercial buildings and is used in place of a fire door. The Fire Protective Curtain FA is designed to operate both independently or interface with a building Fire Alarm Control Panel (FACP).

APPLICATIONS:
Fire protective curtains are used in all industrial and commercial buildings, e.g. shopping centers, office buildings, atria, etc.

The Fire Protective Curtain FA is certified and labeled to UL 10D.

Fire resistance

☐ **60 minutes**

☐ **180 minutes**

KEY FEATURES

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

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 accordance with **ISO 9001:2008**

PRODUCT DESCRIPTION

The Fire Protective Curtain is an automatic, gravity-drop barrier with integrated seals that prevent fire and smoke from transferring from one part of a building to another.
In the event of a fire, it operates automatically when interfaced with the building fire alarm system. It can be installed above the ceiling and remain hidden until it's needed.
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 **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.

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

Maximum Curtain Drop (ft)				
Housing type		**Classification**	**Roller length (W)**	**Drop (H)**
SI	Standard Single Unit N	60 minutes	14'-9 1/8"	11'-5 3/4"
		180 minutes	13'-1 1/2"	9'-0 1/4"
SI	Standard Single Unit L	60 minutes	13'-1 1/2"	19'-8 1/4"
		180 minutes	13'-1 1/2"	18'-0 1/2"
DV	Double Unit N	180 minutes	59'-0 5/8"	9'-0 1/4"
DH	Double Unit L	180 minutes	59'-0 5/8"	18'-0 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.
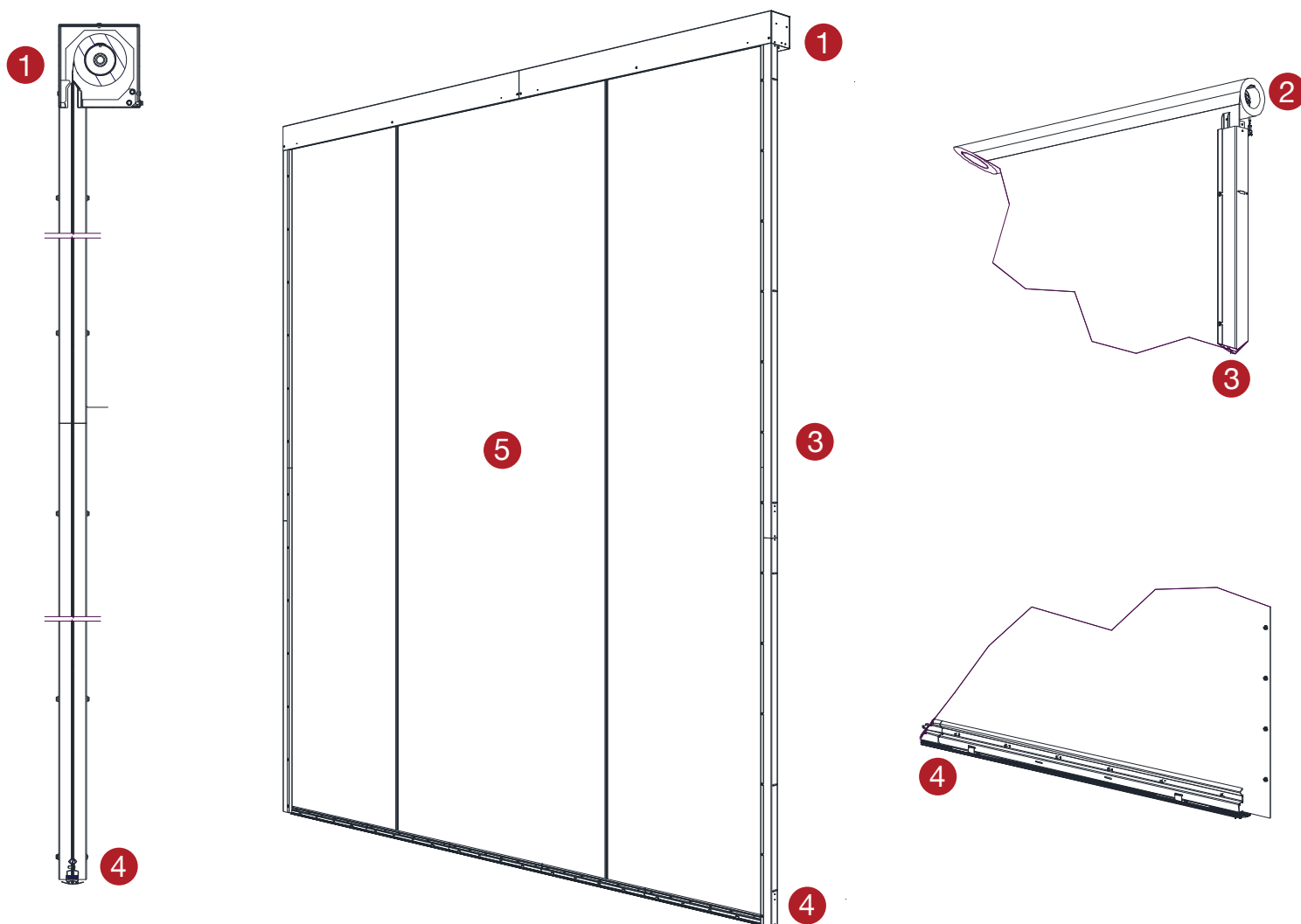
The fabric is silver grey and can be printed with custom signage per customer request. The unit can be configured with mounting brackets either for wall or ceiling mounting.

The Fire Protective Curtain FA meets the requirements according to UL 10D and is available in two different versions:

1. Polyurethane fabric with a stabilizing coating which has a rating for 60 minutes.
2. Polyurethane fabric with a stabilizing coating and stainless-steel inlay which has a rating of 180 minutes

There are four main components:

1   Head box
2   Roller
3   Side guides
4   Bottom bar with seal
5. Curtain fabric