

CERTIFICATE OF CONSTANCY OF PERFORMANCE

LGAI Technological Center, S.A. (APPLUS)
Notified Body Nr. 0370

No. **0370-CPR-3974**

In compliance with Regulation (EU) Nr. 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

PEDESTRIAN DOORSETS, INDUSTRIAL, COMMERCIAL, GARAGE DOORS AND OPENABLE WINDOWS.
COVERED BY EN 13241:2003+A2:2016.

COMMERCIAL NAME: **FIRE CURTAIN FM1 & FIRE CURTAIN FMB**
PRODUCT RANGE: **FIRE CURTAIN EW**

Placed on the market under the name of:

COLT INTERNATIONAL LICESING Ltd.

UNIT 12, THE BRIARS, WATERBERRY DRIVE, WATERLOOVILE
HAMPSHIRE PO7 7YH, UNITED KINGDOM

And produced in the manufacturing plant:

COLT INTERNATIONAL GmbH.

BRIENER STRASSE 186
47533 KLEVE, GERMANY

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 16034:2014

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 7th May 2020 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. It is confirmed on 21st April 2023.

The monitoring assessment will be done before 31st May 2024

Bellaterra, 21st April 2023


LGAI Technological Center, S.A.

Xavier Ruiz Peña
Managing Director, Product Conformity B.U.



This document is not valid without its technical annex; whose number coincides with that of the certificate.

You can check the validity of this certificate on our website: www.appluslaboratories.com/certified_products

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility



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Annex according to **EN 16034:2014**

PEDESTRIAN DOORSETS, INDUSTRIAL, COMMERCIAL, GARAGE DOORS AND OPENABLE WINDOWS. PRODUCT STANDARD, PERFORMANCE CHARACTERISTICS. FIRE RESISTING AND/OR SMOKE CONTROL CHARACTERISTICS

CERTIFIED PERFORMANCES

EN 16034:2014		
ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)
Resistance to fire (for fire compartmentation uses)	4.1	EW 30
Smoke control (only for applications where limitation of smoke spread is required)	4.2	NA
Ability to release	4.3	RELEASED
Self-closing (only for self-closing fire resistant and/or smoke control doorsets and /or openable windows)	4.4	C1
Durability of ability to release	4.5.1	NA
Durability of self-closing (only for self-closing fire resistant and/or smoke control doorsets and/or openable windows) - against degradation (cycling testing) - against ageing (corrosion)	4.5.2.1	1
	4.5.2.2	NA

PASS; NPD = No Performance Determined; NA = Not Applicable

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PRODUCT

Maximum free pass dimensions system

- Maximum dimension allowed according the table below:

		Maximum width (w_{ext})																		
		3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8	8,5	9	9,5	10	11	12	13	14
Maximum height (h_{ext})	3	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30	EW30
	3,5	EW30	EW30	EW30	EW30	EW30	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	4	EW30	EW30	EW30	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	4,5	EW30	EW30	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	5	EW30	EW30	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	5,5	EW30	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	6	EW30	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	6,5	EW30	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Steel head box housing:

- Single barrel system:
 - Option 1: reference "SI-N" supplied by COLT International GmbH; Dimensions (w x h) 155 mm x 150 mm; Fixation to supporting construction by means of two M8 anchor bolts fitting position.
 - Option 2: reference "SI-L" supplied by COLT International GmbH; Dimensions (w x h) 180 mm x 185 mm; Fixation to the supporting construction: by means of two M8 anchor bolts fitting position.
- Double barrel system:
 - Option vertical: reference "DV-L" supplied by COLT International GmbH; Dimensions (w x h) 180 mm x 300 mm; Fixation to supporting construction by means of two M8 anchor bolts per fitting position.
 - Option horizontal: reference "DH-L" supplied by COLT International GmbH; Dimensions (w x h) 300 mm x 185 mm; Fixation to supporting construction by means of two M8 anchor bolts per fitting position

In both cases, the steel head box housing shall include an intermediate bracket to stiffen and separate both curtains.

Barrels and technical fabric

- The barrels, where the technical fabric curtain is rolled, are made of galvanized steel sheets 2 mm thick rolled in order to create an Ø70 mm cylinder.
- The technical fabric used in the system could be:
 - Technical fabric with reference "4415-2-SP" supplied by Valmira.
 - Classification: EW 30**

For two curtain systems, a minimum overlapping of 480 mm.

Side guides

- The side guides consists in of
 - Base profile made of galvanized steel sheet 2,0 mm thick and
 - Two front profiles made of galvanized steel sheet 1,0 mm thick.
 - Fixed together with M5 bolts in order to generate the guiding profile.
- The system shall incorporate one of the following options as a side guides:
 - Option 1: Reference "FR"; This system fixes the technical fabric of the curtain with rollers inside the side guide, allowing the system to slide freely in the allowed direction and prevent it to slip out of the guides.
 - Option 2: Reference "FS"; This system fixes the technical fabric of the curtain by means of a sleeve placed around an galvanised steel rod inside the guide, allowing the system to slide freely in the allowed direction and prevent it to slip out of the guides.

The maximum height of the side guides will be restricted to the maximum height of the curtain.

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Bottom bar:

- The bottom bar configurations are all made of galvanized steel sheet 1,0 mm
- When the system incorporates FR side guide the following bottom bar configuration will be allowed:
 - "U" consists of steel profiles that were bolted together on either side of the fabric curtain. At the lower part of the fabric curtain a steel container was applied to hold the weight.
 - "UK" bottom bar; bolted together on either side of the fabric curtain. At the lower part of the fabric curtain a steel container was applied to hold the weight. Sliding the aluminium profile 50 mm x 5 mm on to the spring clips to close the gab underneath the steel head box (housing). SU-25 glider in continuously contact with the side guide profile.
- When the system incorporates FS side guide the following bottom bar configurations will be allowed:
 - ID bottom bar: Consists of a bent profile made of galvanized steel sheet, attached to the lower end of the technical fabric by means of rivets. The bottom bar has a fabric loop made of 3200-2-SP cloth in order to provide a seal between itself and the floor. This loop needs to be fitted within:
 - Option 1: Lying down configuration – 45 mm from the floor.
 - Option 2: Hanging configuration – 65 mm from the floor.

The complete technical data of the certified range **FIRE CURTAIN EW** are detailed in the technical file and the range report n° 20/22278-717 and 20/22032-1221-1