



WINLOCK
FIRE DOORS

SMOKE LOCK

Smoke-resistant

CE marking in accordance with EN 16034 & EN 13241



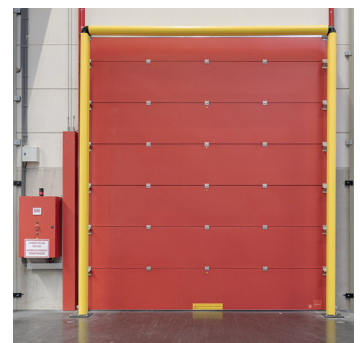
In this configuration, our industrial sectional shutters are equipped with a smoke control sealing system, providing reliable protection against both cold and hot smoke, in full compliance with European standards. These doors are designed for industrial and commercial applications where smoke control is essential to ensure life safety and the continuity of operations.

A specially engineered sealing system ensures optimal tightness at the door joints, both at ambient temperature (Sa) and at elevated temperatures (Sm, up to 200°C). This prevents the spread of toxic, flammable and potentially lethal smoke, helping to keep escape routes clear and usable for a longer period during a fire.

Each shutter is custom-built to specification and combines durability with user-friendly operation, available in both manual and automatic versions. A wide range of finishes and colours allows seamless integration with any architectural design.

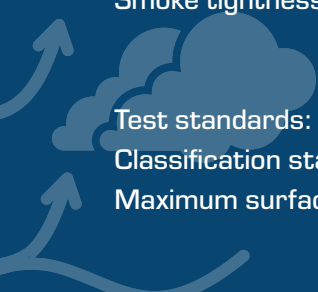
Designed and tailored to your needs

In addition to smoke tightness, these doors can be equipped with additional features, such as fire resistance (EI₁ 60 – EI₁ 120), Safe Lock (burglary resistance), Noise Lock (sound insulation), Liquid Lock (liquid barrier), or Food Lock (food-safe configuration). Together, they form an integrated and flexible solution that combines safety and functionality in any environment.



Technical specifications

Smoke tightness:	Sa3 (cold smoke) Sa4 (cold smoke) S200 (hot smoke, 200 °C)
Test standards:	EN 1363-1, EN 1363-2, EN 1634-3
Classification standard:	EN 13501-2
Maximum surface area:	25 m²



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SMOKELOCK								
No	Face exposed to pressure	Temperature	Test Specimen leakage rate, Q_{test} (m ³ /h) at a pressure differential of:			Linear leakage rate Q_l (m ³ /h/m) at a pressure differential of:		
			10 Pa	25 Pa	50 Pa	10 Pa	25 Pa	50 Pa
1	Rail side	Ambient S3 *	0.0	0.0	0.0	0.00	0.00	0.00
1	Rail side	Ambient S4 *	0.0	0.0	0.0	0.00	0.00	0.00
2	Rail side	Medium	0.0	0.4	0.0	0.00	0.00	0.00
3	Non-rail side	Ambient S3 *	4.0	3.9	8.3	0.52	0.5	1.07
3	Non-rail side	Ambient S4 *	4.0	3.9	8.3	0.39	0.38	0.80
4	Non-rail side	Medium	0.4	2.0	7.5	0.04	0.19	0.72

SMOKELOCK - LT								
No	Face exposed to pressure	Temperature	Test Specimen leakage rate, Q_{test} (m ³ /h) at a pressure differential of:			Linear leakage rate Q_l (m ³ /h/m) at a pressure differential of:		
			10 Pa	25 Pa	50 Pa	10 Pa	25 Pa	50 Pa
1	Rail side	Ambient S3 *	6.8	6.3	12.7	0.88	0.81	1.64
1	Rail side	Ambient S4 *	6.8	6.3	12.7	0.66	0.61	1.23
2	Rail side	Medium	2.8	11.1	21.4	0.27	1.07	2.06
3	Non-rail side	Ambient S3 *	3.2	2.0	5.2	0.41	0.26	0.67
3	Non-rail side	Ambient S4 *	3.2	2.0	5.2	0.31	0.19	0.50
4	Non-rail side	Medium	0.8	0.4	5.5	0.08	0.04	0.53

Technical specifications

Smoke tightness: **Sa3 (cold smoke)**
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S200 (hot smoke, 200 °C)

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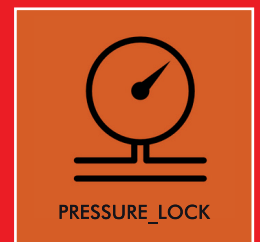
Classification standard: **EN 13501-2**

Maximum surface area: **25 m²**

WINLOCK

FIRE DOORS

Multiple add-ons
Endless possibilities



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