

FIRE DOORS AND FIRE-RATED ACCESS PANELS



ROPER

PUERTAS METÁLICAS

Swing Fire Door EI₂60 C5 / EI₂90 C5 / EI₂120 C5

ROPER HAS MORE THAN 25 YEARS' EXPERIENCE MANUFACTURING FIRE DOORS. WE CURRENTLY MANUFACTURE A WIDE RANGE OF SINGLE AND DOUBLE SWING FIRE DOORS THAT COVERS PRACTICALLY ALL MARKET NEEDS.

THIS TYPE OF DOOR IS PARTICULARLY SUITABLE FOR HOUSING, LARGE COMMERCIAL AREAS LIKE SUPERMARKETS, CINEMAS, FACTORIES, HOSPITALS, PERFORMANCE VENUES, LIBRARIES, NIGHTCLUBS AND HOTELS, NOT TO MENTION ANYWHERE ELSE THAT REQUIRES HIGH LEVELS OF FIRE SAFETY





Each door is a single leaf made from two joined trays filled with a rigid rock-wool panel. The frame is adapted to the leaf and ready for installation on site. The doors have: a high-expansion intumescent seal that expands in contact with heat, a lock carrying the CE mark in accordance with standard UNE EN 12209, hinges made of high-resistance steel in accordance with standard UNE EN 1935, a handle with a metal core coated in black polyamide and anchors on the frame for installation on site.



FEATURES

Our entire range of swing fire doors has the following features:

- Top-quality materials.
- Made of heat-galvanised sheet produced using the Sendzimir process.
- Embossed coating process using epoxy powder with washing, grease removal, phosphating and oven baking at 180 °C.
- Standard colour in RAL 9010. We offer the option for other colours based on the RAL chart.
- High-quality finish and aesthetics.

MANUFACTURING

The entire range of this product is manufactured on a production line that employs state-of-the-art technology, which ensures high-quality finishes and consistent quality.

All our manufacturing processes have been studied and developed by our technical department.

CERTIFICATIONS

Approved fire doors with the guarantee of tests performed in certified laboratories.



Single leaf



ROPER single fire doors are manufactured for different opening sizes: 800 / 900 / 1,000 / 1,100 / 1,200 and 1,300 mm.
Opening height: 2,070 / 2,150 / 2,200 / 2,300 / 2,400 and 2,500 mm.
Different sizes can be manufactured on request, with widths from 600 mm to 1,300 mm, and heights from 1,600 mm to 2,500 mm, in multiples of 50 mm.

FINISH



RAL 9010 (Standard)

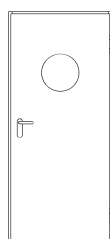


Imitation wood

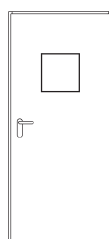


RAL colours (optional)

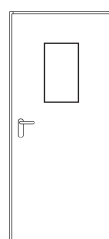
BULL'S EYE AND GRILLE (optional)



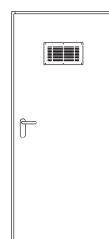
Circular



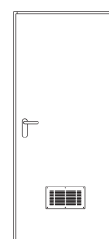
Square



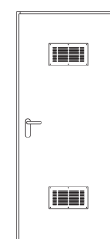
Rectangular



Upper grille



Lower grille



Double grille

OPENING DIRECTION

* The opening direction is described based on the perspective from inside the door.



Yellow / Right



Blue / Left

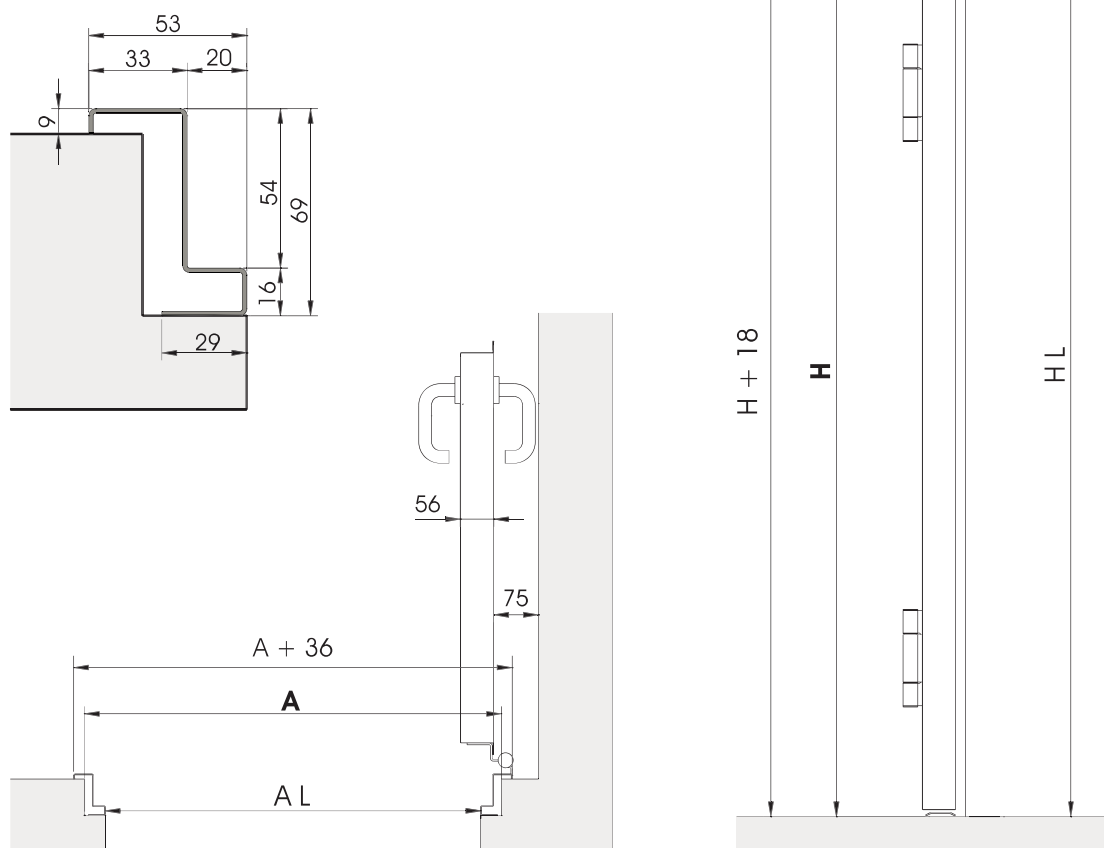


CERTIFICATIONS

Classifications: EI260 C5 / EI290 C5 / EI2120 C5 / FM approvals.
Complies with the Spanish Technical Building Code (CTE). Tested in certified laboratories in accordance with standard UNE EN 1634-1 for hinged fire doors without spring.

Classifications: EI260 / EI290. Complies with basic building standard NBE-CPI/96. Tested in certified laboratories in accordance with standard UNE EN 1634-1 for hinged fire doors with spring.

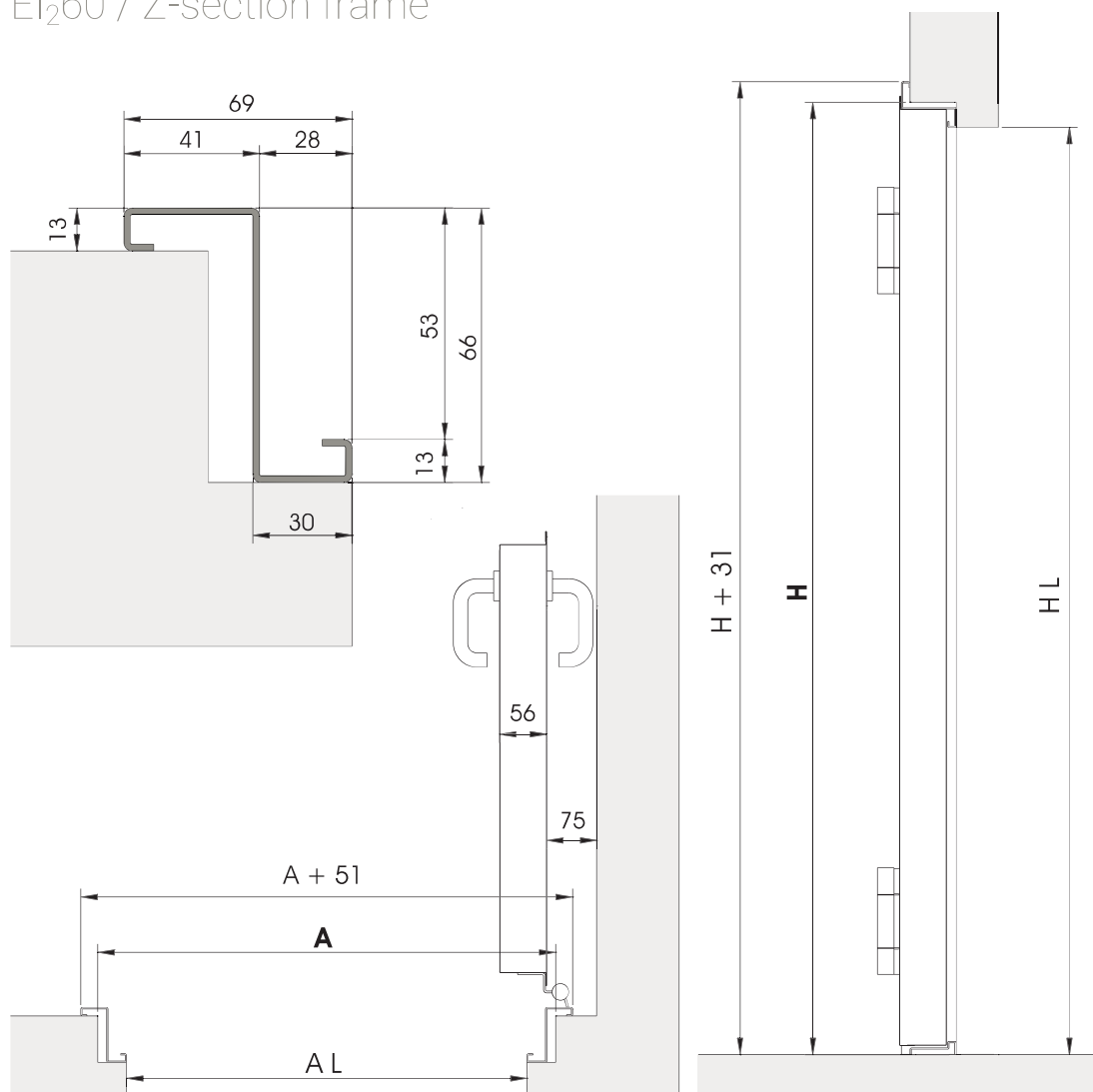
Single leaf /
Single swing door /
measurements and cross sections
EI₂60 / EI₂90 / standard frame



EI ₂ 60			
BUILT OPENING		CLEAR PASSAGE	
A	H	AL	HL
800	2070/2150 2200/2300 2400/2500	730	2032/2112 2162/2262 2362/2462
900		830	
1000		930	
1100		1030	
1200		1130	
1230		1160	
1300		1230	

EI ₂ 90			
BUILT OPENING		CLEAR PASSAGE	
A	H	AL	HL
800	2070/2150 2200	730	2032/2112 2162
900		830	
1000		930	
1100		1030	
1200		1130	

Single leaf /
Single swing door /
measurements and cross sections /
EI₂60 / Z-section frame

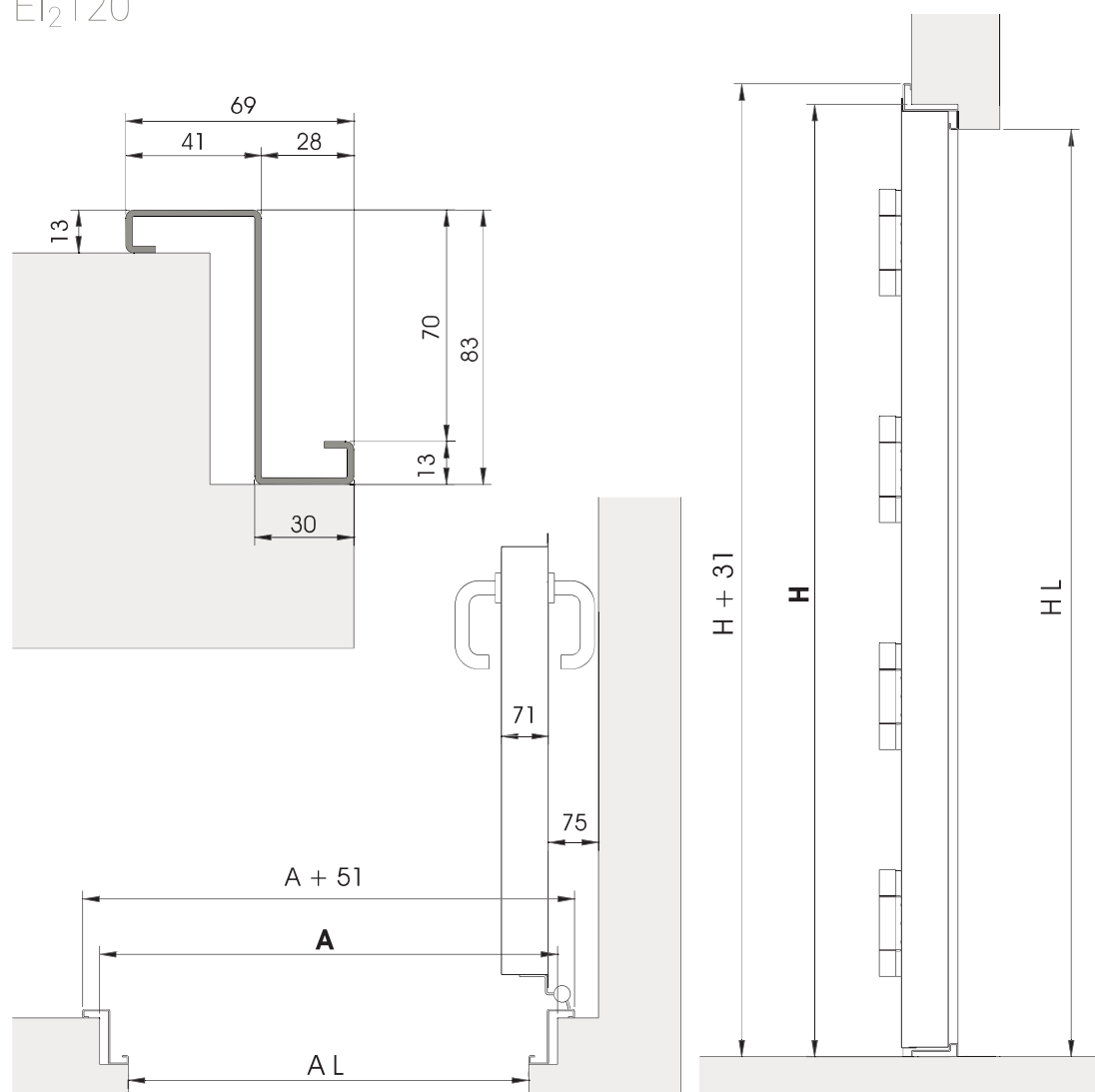


EI ₂ 60			
BUILT OPENING		CLEAR PASSAGE	
A	H	AL	HL
800	2070/2150 2200	730	2032/2112 2162
900		830	
1000		930	
1100		1030	

SPECIFICATIONS

- Leaf thickness: 56 mm.
- Leaf sheet thickness: 0.5 mm.
- Two hinges carrying the CE mark connecting the frame and leaf.
- Frame in sheet with a thickness of 1.2 mm.
- Reversible lock carrying the CE mark.
- Three wall anchors on each side of the vertical frame.

Single leaf /
Single swing door /
measurements and cross-sections /
EI₂120



EI ₂ 120			
BUILT OPENING		CLEAR PASSAGE	
A	H	AL	HL
800	2070/2150 2200	730	2032/2112 2162
900		830	
1000		930	
1100		1030	

SPECIFICATIONS

- Galvanised leaf with a thickness of 70 mm.
- Leaf sheet thickness: 1 mm.
- Four hinges carrying the CE mark connecting the frame and panel.
- Galvanised sheet frame with a thickness of 2 mm.
- Reversible lock carrying the CE mark.
- Five wall anchors on each side of the vertical frame.



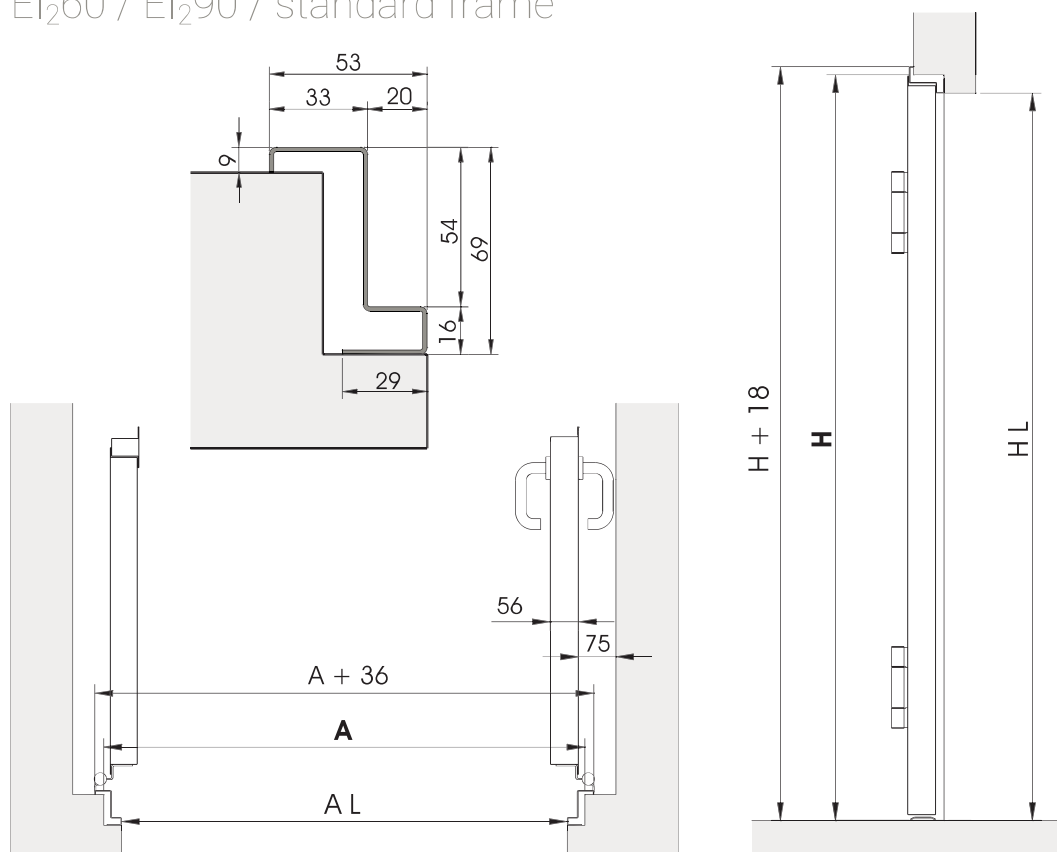
Double leaf Double leaf / EI₂60 / EI₂90

ROPER double-leaf swing fire doors are manufactured for different opening sizes: for widths from 1,000 to 2,500 mm, and heights from 1,600 mm to 2,500 mm.

They are delivered painted white (RAL 9010), or galvanised.



Double leaf /
Double-leaf swing door /
measurements and cross sections /
EI₂60 / EI₂90 / standard frame



EI ₂ 60			
BUILT OPENING		CLEAR PASSAGE	
A	H	AL	HL
1200	2070/2150 2200/2300 2400/2500	1130	2032/2113 2163/2263 2363/2463
1300		1230	
1400		1330	
1500		1430	
1600		1530	
1700		1630	
1800		1730	
1900		1830	
2000		1930	
2100		2030	
2200		2130	
2300		2230	
2400		2330	
2500		2430	

EI ₂ 90			
BUILT OPENING		CLEAR PASSAGE	
A	H	AL	HL
1200	2070/2150 2200	1130	2033/2113 2163
1300		1230	
1400		1330	
1500		1430	
1600		1530	
1700		1630	
1800		1730	
1900		1830	
2000		1930	
2100		2030	
2200		2130	

⚙️ SUBFRAMES



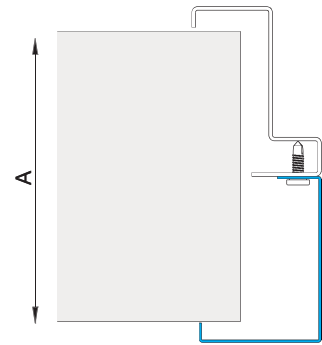
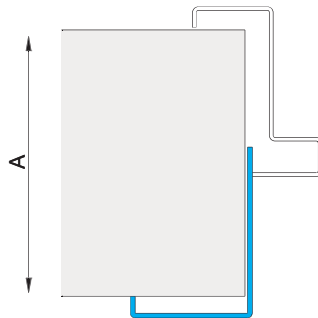
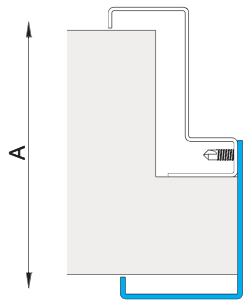
Screw-on subframe



Slip-on subframe



Clamp-on subframe



A: Variable frame width (maximum 250 mm)

⚙️ IMITATION WOOD

Swing doors are available to order manufactured in sheet with an imitation-wood finish in dark oak.



ACCESSORIES



Double-sided
handle with cylinder
lock / black



Double-sided,
stainless-steel
handle



Stainless-steel
lock covers with
cylinder lock



Electronic access-
control handle



Door coordinator



Panic bar / Push bar



Built-in door closer



Surface-mounted door closer



Fire grille



Bull's eye window



Square window

SINGLE-LEAF FIRE DOOR PACKAGING

Pallets of single-leaf fire doors contain 15 doors, packed vertically, on a stand with metal-tube reinforcement and wooden blocks to assist with subsequent movements.

The doors are sequentially tied together with stretch tape as they are loaded on the pallet and, once there are 15 on the pallet, they are all wrapped with strong stretch film.

All packages include an instruction sheet on how to unpack the doors effectively, safely and easily.



BUILT OPENING		DOOR WEIGHT (*)		DOORS PER PACKAGE		PACKAGE WEIGHT (*)		DIMENSIONS		
A	H	EI ₂ 60	EI ₂ 90	EI ₂ 60	EI ₂ 90	EI ₂ 60	EI ₂ 90	A	B	H
800	2070	36	47	15	15	565	730	880	1160	2180
900		40	52	15	15	625	805	980	1160	2180
1000		50	58	15	15	775	895	1080	1160	2180
1100		62	64	12	12	774	798	1190	980	2180
1200		67	69	12	12	834	858	1290	980	2180
1230		74	76	12	12	918	942	1320	980	2180
1300		78	80	12	12	966	990	1390	980	2180

BUILT OPENING		DOOR WEIGHT (*)		DOORS PER PACKAGE		PACKAGE WEIGHT (*)		DIMENSIONS		
A	H	EI ₂ 60	EI ₂ 90	EI ₂ 60	EI ₂ 90	EI ₂ 60	EI ₂ 90	A	B	H
800	2150	38	44	15	15	595	685	880	1160	2260
900		42	49	15	15	655	760	980	1160	2260
1000		52	60	15	15	805	925	1080	1160	2260
1100		64	66	12	12	798	822	1190	980	2260
1200		70	72	12	12	870	894	1290	980	2260
1230		76	78	12	12	942	966	1320	980	2260
1300		80	82	12	12	990	1014	1390	980	2260

(*) Approximate, in kg.

DOUBLE-LEAF FIRE DOOR PACKAGING

Pallets of double-leaf fire doors contain 12 doors, packed vertically, on a stand with metal-tube reinforcement and wooden blocks to assist with subsequent movements. The doors are sequentially tied together with stretch tape as they are loaded on the pallet and, once there are 12 on the pallet, they are all wrapped with strong stretch film. All packages include an instruction sheet on how to unpack the doors effectively, safely and easily.



BUILT OPENING		DOOR WEIGHT (*)		DOORS PER PACKAGE		PACKAGE WEIGHT (*)		DIMENSIONS		
A	H	EI ₂ 60	EI ₂ 90	EI ₂ 60	EI ₂ 90	EI ₂ 60	EI ₂ 90	A	B	H
1200	2070	67	73	15	12	1030	901	1290	980	2180
1400		79	84	15	12	1210	1033	1490	980	2180
1600		89	95	15	12	1360	1165	1690	980	2180
1800		106	106	12	12	1302	1302	1890	980	2180
2000		109	117	12	12	1338	1434	2090	980	2180

BUILT OPENING		DOOR WEIGHT (*)		DOORS PER PACKAGE		PACKAGE WEIGHT (*)		DIMENSIONS		
A	H	EI ₂ 60	EI ₂ 90	EI ₂ 60	EI ₂ 90	EI ₂ 60	EI ₂ 90	A	B	H
1200	2150	69	76	15	12	1060	937	1290	980	2260
1400		82	87	15	12	1255	1069	1490	980	2260
1600		92	99	15	12	1405	1213	1690	980	2260
1800		103	110	12	12	1266	1350	1890	980	2260
2000		114	122	12	12	1398	1494	2090	980	2260

(*) Approximate, in kg.



FRAME

Manufactured in galvanised sheet with a thickness of 1,5 mm. In accordance with standard EN 10142.

LEAF

Manufactured in galvanised sheet steel with a thickness of 0,6 mm with 2,5-mm reinforcements around the inside of the edges.

Inside, the entire surface is insulated using rock wool weighing 165 kg/m³ attached with intumescent glue (zero toxicity and non-flammable).

Between the two lower hinges, there is a safety pivot that prevents the leaf from being separated from the frame in the event of fire.



HINGES

Galvanised fire hinges without spring for doors in accordance with standard EN 1935.

Two hinges with EI₂60 C5 and three hinges with EI₂90 C5.



INTUMESCENT SEAL

This seal runs along the entire edge of the frame except for the bottom section. Its dimensions are 20 x 2,5 mm. It is graphite-based, black, with high expansion, flexible, insoluble and odourless.

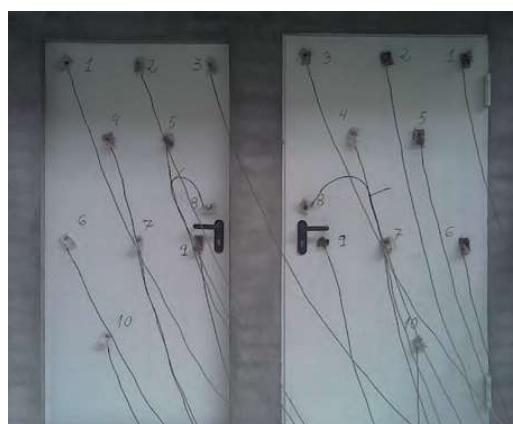
FIRE LOCK

Built into the leaf. Reversible with double locking and slam latch. Complies with standard EN 12209 and carries the CE mark.



TESTS

ROPER has its own laboratory to perform fire and mechanical tests that allow its quality department to ensure the best possible guarantee of quality, reliability and innovation for our customers.



FIRE-RESISTANCE TESTS ON FIRE DOORS.