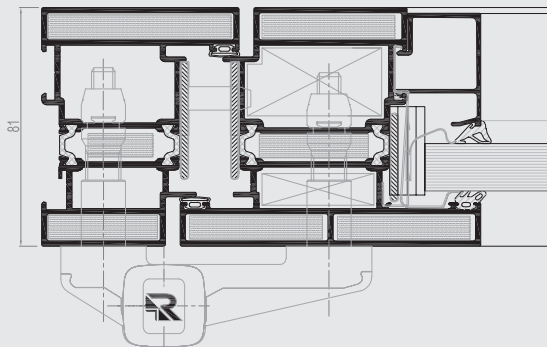
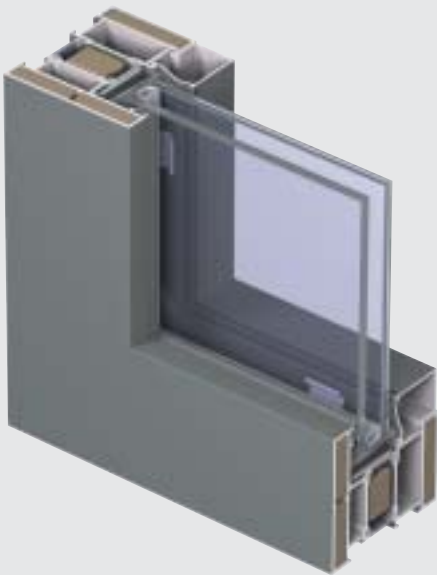




# CS 68-FP

Windows & Doors

**R**  
REYNAERS  
aluminium



The CS 68-FP profile system guarantees absolute resistance to fire breakthrough for a time period of at least 30 minutes. The system is grafted onto the tested CS 68 series which has been well respected for many years. The extensive range of profiles facilitates the construction of both compartment systems and escape routes.

## TECHNICAL CHARACTERISTICS

Style variants	EN 1363-1	NBN 713-020	NEN 6069
Min. visible width fixed window			
Frame	77 mm	77 mm	64 mm
Min. visible width outward opening flush door			
Frame	42 mm	42 mm	42 mm
Vent	102 mm	102 mm	102 mm
Min. visible width T-profile	102 mm	102 mm	72 mm
Overall system depth window			
Frame	81 mm	81 mm	59 mm
Overall system depth flush door			
Frame	81 mm	81 mm	59 mm
Vent	81 mm	81 mm	59 mm
Rebate height	25 mm	25 mm	25 mm
Glass thickness	up to 32 mm	up to 32 mm	up to 32 mm
Glazing method	dry glazing with POLYCHLOROPREN or neutral FIRE PROOF silicones		
Thermal insulation	23 mm fibreglass reinforced vinylester strips		

## PERFORMANCES

### ENERGY

Thermal Insulation<sup>(1)</sup>  
EN 10077-2

Uf-value ≤ 4.4 W/m<sup>2</sup>K, depending on the frame/vent combination.

### COMFORT

Acoustic performance<sup>(2)</sup>  
EN ISO 140-3; EN ISO 717-1

Rw (C; Ctr) = 34 (-1; -4) dB / 44 (-2; -5) dB, depending on glazing type

Air tightness, max. test pressure<sup>(3)</sup>  
EN 1026; EN 12207

1 (150 Pa)	2 (300 Pa)	3 (600 Pa)	4 (600 Pa)

Water tightness<sup>(4)</sup>  
EN 1027; EN 12208

1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	E (1200 Pa)

Wind load resistance, max. test pressure<sup>(5)</sup>  
EN 12211; EN 12210

1 (400 Pa)	2 (800 Pa)	3 (1200 Pa)	4 (1600 Pa)	5 (2000 Pa)	E <sub>xxx</sub> (> 2000 Pa)

Wind load resistance to frame deflection<sup>(5)</sup>  
EN 12211; EN 12210

A (≤ 1/150)	B (≤ 1/200)	C (≤ 1/300)

### SAFETY

Burglar resistance<sup>(6)</sup>  
ENV 1627 - ENV 1630

WK 1	WK 2	WK 3

This table shows possible classes and values of performances. The values indicated in red are the ones relevant to this system.

- (1) The Uf-value measures the heat flow. The lower the Uf-value, the better the thermal insulation of the frame.
- (2) The sound reduction index (Rw) measures the capacity of the sound reduction performance of the frame.
- (3) The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.
- (4) The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window.
- (5) The wind load resistance is a measure of the profile's structural strength and is tested by applying increasing levels of air pressure to simulate the wind force. There are up to five levels of wind resistance (1 to 5) and three deflection classes (A,B,C). The higher the number, the better the performance.
- (6) The burglar resistance is tested by statistical and dynamic loads, as well as by simulated attempts to break in using specified tools.

