

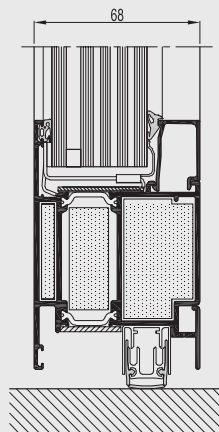
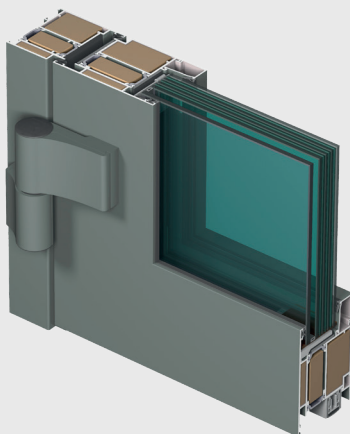


# ConceptSystem 77-FP

Fire resistance for great designs

# R

Reynaers  
Aluminium



ConceptSystem® 77-Fire Proof is a high-quality window, flush door and partitioning system that combines elevated requirements regarding thermal insulation, stability, safety and fire resistance. This fireproof variant is developed as an extension to the standard ConceptSystem 77, providing an extensive range of solutions and performances. This includes the availability of burglar resistance, access control, panic and emergency exit functionalities and smoke tightness.

This is a completely sealed system and is compliant with EU regulations and EI30 and EI60 classification for fire resistance. The performance is defined by directly exposing the construction to fire in order to determine the stability, thermal and radiation insulation over a certain amount of time.

To ensure proper compliance with the EN standards and acceptance by the different internationally recognized laboratories, the Reynaers Aluminium fireproof system has been tested throughout Europe. These tests have been performed with different glass and hardware suppliers, resulting in a very wide range of approved solutions.

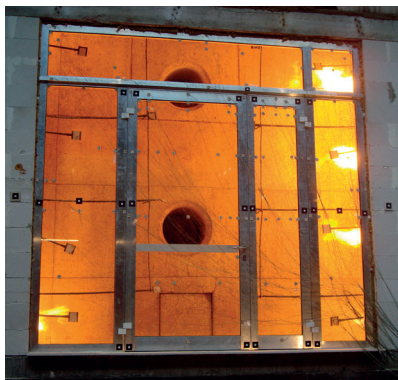


## CONCEPTSYSTEM 77-FP WINDOWS

ConceptSystem 77-FP Opening Window is an inward opening turn & tilt element, that can be combined with fixed lights as a combined window.

Bigger glazed areas and/or multiple opening windows are also possible, but then it is considered a glazed partition wall (see below).

Both EI<sub>2</sub>30 and EW30 are certified for a maximum leaf size of 1200 by 1800mm (or 1000 by 2100mm), and can optionally be fitted with concealed hinges.



## CONCEPTSYSTEM 77-FP DOORS

The extended range of approved ConceptSystem 77-FP flush doors is available for all inward and outward opening types.

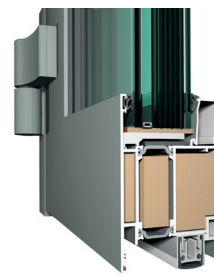
This is realised with a full range of door locks and hinges to meet every kind of locking demand, including fully integrated solutions in building management systems.

Both single and double leaf doors are available up to a maximum door leaf size of 1300 by 2750mm (and under specific conditions even higher), and can be combined with fixed glazing.

### EI30



### EI60



## CONCEPTSYSTEM 77-FP GLAZED PARTITION WALLS / FIXED WINDOW ELEMENTS

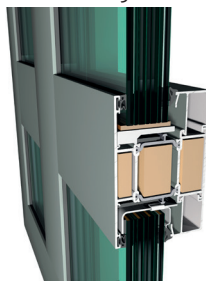
### EI30

Maximum element height of 4400mm  
Maximum glass surface\* of 6.85m<sup>2</sup>

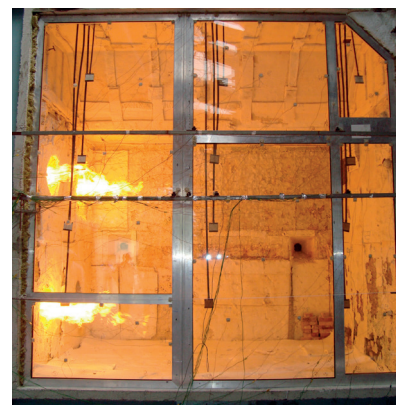


### EI60

Maximum element height of 3800mm  
Maximum glass surface\* of 4.45m<sup>2</sup>



\* depending on the glass configuration



## PERFORMANCES / TECHNICAL CHARACTERISTICS

		OPENING WINDOW	DOOR	PARTITION (FIXED)
	European testing standards	EN 1364-1		
	Classification standard	EN 13501-2		
	Fire resistance classification	EW 30, EI2 30	EW 30, EI2 30, EI1 30, EI2 60, EI1 60	EI 45, E 60, EW 60, EI 60
	Smoke control classification	-	Sa, S200	-
	Burglar resistance EN(V) 1627-1630	RC 2N	RC 2	RC 2
	Rebate height	25 mm		
	Glass thickness	up to 52 mm		
	Min. Visible Width (frame + sash)	115 mm	150 mm	77 mm
	CE-Marking	EN 16034	EN 16034	-
	Certified Glass Suppliers	Vetrotech - Pyroguard	Vetrotech - Pilkington - AGC - Pyroguard	Vetrotech - Pilkington - AGC - Pyroguard
	Extra	Concealed hinges	Emergency Exit & Panic EN 179 / EN 1125	Butt joint glass solution (no mullions)

For an overview of all possible configurations and performances please contact your Reynaers Aluminium representative

