







Resistance class		T90 (EI 90)		F90 (EI 90)		
Type		NovoFire T90-1 (EI 90)	NovoFire T90-2 (EI 90)	NovoFire F90 (EI 90) with T90 (EI 90)		
Models	Doors and fixed units with glazing					
	Doors can be combined with fixed units – in any transom spacing					
	Vertical sash bars on each leaf or horizontal sash bars on each leaf	1 2	1 2	Any		
Element design	Slants	-	-	-		
	Arches	-	-	-		
	Recesses	-	-	•		
	Angles	-	-	-		
	Widening	•	•	•		
Dimensions	Shell dimension (larger dimensions possible through use of frame variants)	Width min. – max.	624 - 1730*	1500 - 2730*	unlimited	
		Height min. – max.	1750 - 2610*	1750 - 2610*	max. 4000 <sup>1) 2)</sup>	
	Outer frame dimension (larger dimensions possible through use of frame variants)	Width min. – max.	604 - 1710*	1470 - 2700*	unlimited	
		Height min. – max.	1740 - 2600*	1740 - 2600*	max. 3985 <sup>1) 2)</sup>	
Clear passage when opened 180°	Width min. – max.	454 - 1320	1320 - 2310	-		
	Height min. – max.	1665 - 2405	1665 - 2405	-		
Door leaf	Structural depth	90	90	90		
	View	150	150	75		
	Pedestal height	98 - 238	98 - 238	75 - 225		
	Glued transom / Slide mechanism profile	20 - 140 / 98	20 - 140 / 98	20 - 140 / 98		
Walls	Masonry	≥175	≥175	≥175		
	Concrete	≥140	≥140	≥140		
	Foam mortar or precision blocks	≥200	≥200	≥175		
	Foam mortar slabs	≥175	≥175	≥175		
	Partition walls	≥95	≥95	≥95		
	Steel structure, cladded	•	•	•		
	Woodstructure, cladded	-	-	•		
	Door / glazing combination	•	•	•		
Z-frames	-	-	-			
Fillings	Contraflam 90	Width x height max.	1208 x 2261	1208 x 2261	1400 x 2400 2200 x 1400	
		** Transom window	2347 x 939 **			
		*** Side element	939 x 2413 ***			
	Pyrostop type 90-1	Width x height	≤ 1208 x ≤ 2261	≤ 1208 x ≤ 2261	1400 x 2400 2200 x 1400	
		Total surface area	≤ 2,44 m <sup>2</sup>			
		** Transom window	2347 x 939 **			
	Pyrostop type 90-2	Width x height	≤ 1208 x ≤ 2261	≤ 1208 x ≤ 2261	1400 x 2400 2200 x 1400	
		Total surface area	≤ 2,21 m <sup>2</sup>			
		** Transom window	2347 x 939 **			
	Panelling	Glass	Wet glazing	•	•	•
			Dry glazing	•	•	•
			Glass / panelling	•	•	•
Design variants		with transom window and side element OFD height	•	•	•	
		with transom window OFD height	•	•	•	
		with side element OFD width	•	•	•	
		Smoke protection door in accordance with DIN 18095 (in combination with DIN 4102)	•	•	•	
		Sound insulation max. R <sub>w,P</sub> (R <sub>w,R</sub> )	42 (37)	42 (37)	-	
Test certificate/Registration numbers	Z-6.20-1836	Z-6.20-1836	Z-19.14-1771			

• possible – not possible

\* incl. 120 mm wider door frame on the left and right hand sides and at the top

<sup>1)</sup> in keeping with static requirement

<sup>2)</sup> Installation of the T90-1 (EI 90) or T90-2 (EI 90) door in the F90 fire-resistant glazing: Stiffening tube on the left and right of the frame profile of the fixed glazing. H ≤ 3500 without stiffening tube, H < 4000 with Al tube 80 x 50 x 4, H < 4500 with Al tube 100 x 50 x 4, H < 5000 with Al tube 120 x 50 x 4

All dimensions indicated in mm, OFD= Outer frame dimension