

T 30 · T 60 · T 90 · G 30 · F 30 · F 90

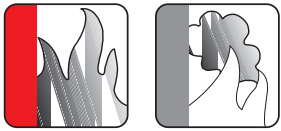
Fire-Protection



RS

Smoke-Protection

Product-Range



Product-Range

Fire-Protection- and Smoke-Protection-Doors and glazings

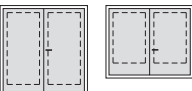


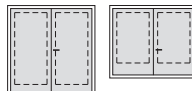




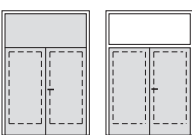
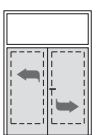

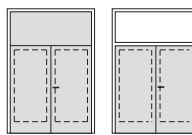
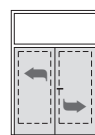

Fire-Protection	T 30		T 30		T 30	T 30		T 30			
Approval No. DIBt	Z-6.20-2050		Z-6.20-1934		applied for approval	Z-6.20-1934		Z-6.20-1980	applied for approval		
Smoke-Protection	RS		RS			RS	RS	RS			
Official Report No. IBMB	3684/3820	3436/3741-1	3436/3741-2			3436/3741-1	3436/3741-2	3421/3353-1	applied for approval		
Combination BS / RS	○		○			●	●				
Models	Type	1 N	3 N ²⁶⁾		4 N ²⁶⁾		4 N-PT	13 N	14 N	16 N	16 N Superformat
	solid doors on request with glazing										
	solid door door with vision panel	1.00 1.10	3.00 3.00 KL 3.10 3.10 KL	4.00 4.00 KL 4.10 4.10 KL	4.00-PT 4.10-PT swing door	13.00 13.00 KL 13.10 13.10 KL	14.00 14.10	16.00 16.00 KL 16.10 16.10 KL	16.00 16.00 16.10 16.10 on request with wicket door		
	with top panel or fanlight										
solid door panel door with vision panel		3.01 3.02 3.11 3.12	4.01 4.02 4.11 4.12		13.01 13.02 13.11 13.12		16.01 16.02 16.11 16.12				
Thickness of doorleaf (mm)	42	50	50		50	50	50	70	70		
	Edge of doorleaf *	F, S	F, S	F, S		S	F, S	F, S	F, S, D	F, S	
Multiple functions	Sound-Insulation Rw,P 32 dB	○	○	○					○		
	Sound-Insulation Rw,P 37 dB						●	●			
	Sound-Insulation Rw,P 42 dB						○				
	Sound-Insulation Rw,P 45 dB										
	Sound-Insulation Rw,P 48 dB										
	Sound-Insulation Rw,P 50 dB										
	Burglar-Protection WK 2	○ ¹⁾	○ ¹⁾				○ ¹⁾		○ ¹⁾		
	Burglar-Protection WK 3		○ ¹⁾						○ ¹⁾		
	Burglar-Protection WK 4								○ ¹⁾		
	Radiation-Protection		○ ²⁾	○ ²⁾			○ ²⁾	○ ²⁾	○ ²⁾		
	Bullet-Resistant M3		○ ^{3) 7) 8)}								
	Climatic Category II ⁵⁾	●	●	●		●	●	●	●	●	
Climatic Category III ⁵⁾	○	○ ⁶⁾	○		○	○	○	○	○		
Stress group E ⁵⁾	●	●	●			●	●	●	●		
Measures in mm	Basic dimension Width BR height with top panel	625 - 1250 1750 - 2250	500 - 1375 625 - 2750 max. 3500	875 - 2750 625 - 2750 max. 3500	875 - 1750 1750 - 2300	625 - 1375 625 - 2750 max. 3500	875 - 2750 625 - 2750	625 - 2000 625 - 3500 max. 4000	1375 - 2500 ¹⁵⁾ 2000 - 3500		
	Clear Passage Width LD height with top panel	561 - 1186 1718 - 2218	436 - 1311 593 - 2718 max. 3468	811 - 2686 593 - 2718 max. 3468	740 - 1615 1715 - 2235	561 - 1311 593 - 2718 max. 3468	811 - 2686 593 - 2718	561 - 1436 593 - 3468 max. 3968	1311 - 2436 1968 - 3468		
Frames	Wooden wrap-around frame	○	○	○			○	○	○	○	
	Wooden block frame	○	○	○			○	○	○	○	
	Solid wooden frame	○	○	○		○	○	○	○	○	
	Steel frame	○	○	○			○	○	○	○	
	Aluminium frame		○				○	○	○	○	
	Fixed glazing ¹³⁾		○	○			○	○	○	○	
	Arched frame ¹⁴⁾		○	○			○	○	○	○	
Walls	Solid	○	○	○		○	○	○	○	○	
	Gypsum plasterboard	○	○	○		○	○	○	○	○	
	Gypsum		○ ⁴⁾				○ ⁴⁾				
	Wooden or steel elements	○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾		○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾	
	F 30 glazing 25 V		○	○		○	○	○	○	○	
	RS glazing 25 V		○	○		○	○	○	○	○	

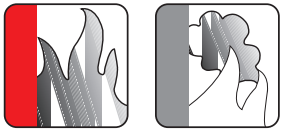
● standard

○ on request

Explanations 1) – 26) see page 8 to 10

(* F = rebated, S = unrebated, D = double-rebated)

T 30					T 30		Fire-Protection				
Z-6.20-1980					Z-6.20-2077		Approval No. DIBt				
RS					RS		Smoke-Protection				
3421/3353-2	3421/3353-2	3613/3350-1	3613/3350-2	3613/3350-2	3613/3350-1	3613/3350-1	3427/3179-1				
○		●			●		●				
26 N		26 N GLT		5 N	6 N		6 N GLT	50-1	50-2	35 N ²²⁾	Type
										solid doors on request with glazing	
26.00 26.10	26.00 KL 26.10 KL	26.00 GLT 26.10 GLT reversed door	5.00 5.00 KL 5.10 5.10 KL	6.00 6.00 KL 6.10 6.10 KL	6.00 GLT 6.10 GLT reversed door	50-1.00	50-2.00	35.00 35.10			solid door door with vision panel
										with top panel or fanlight	
26.01 26.11	26.02 26.12	26.12 GLT reversed door	5.01 5.02 5.11 5.12	6.01 6.02 6.11 6.12	6.12 GLT reversed door			35.02 35.12			solid door panel door with vision panel
70	70	70	70	70	91	91	70			Thickness of doorleaf (mm)	
F, S, D	F, S, D	F, S, D	F, S, D	F, S, D	F, S, D	F, S, D	D			Edge of doorleaf *	
○	○	○	○	○	○	○	○ ⁹⁾			Sound-Insulation Rw,P 32 dB	
		○	○	●			○ ⁹⁾			Sound-Insulation Rw,P 37 dB	
		●	●				● ¹⁰⁾			Sound-Insulation Rw,P 42 dB	
		○	○							Sound-Insulation Rw,P 45 dB	
					○	○				Sound-Insulation Rw,P 48 dB	
					●	●				Sound-Insulation Rw,P 50 dB	
○ ¹⁾		○ ¹⁾	○ ¹⁾	○ ¹⁾	○ ¹⁾	○ ¹⁾	○ ¹⁾			Burglar-Protection WK 2	
○ ¹⁾		○ ¹⁾	○ ¹⁾	○ ¹⁾	○ ¹⁾	○ ¹⁾	○ ¹⁾			Burglar-Protection WK 3	
										Burglar-Protection WK 4	
○ ²⁾		○ ²⁾	○ ²⁾	○ ²⁾	○ ²⁾	○ ²⁾				Radiation-Protection	
										Bullet-Resistant M3	
●	●	●	●	●	●	●				Climatic Category II ⁵⁾	
○	○	○	○	○	○	○	● ¹¹⁾			Climatic Category III ⁵⁾	
●	●	●	●	●	●	●	●			Stress group E ⁵⁾	
1000 - 3000 ¹⁵⁾ 625 - 3500 max. 4000	1461 - 2586 1793 - 2543 max. 3543	625 - 1500 625 - 3000 max. 3500	1000 - 3000 625 - 3000 max. 3500	1461 - 2586 1793 - 2543 max. 3543	875 - 1500 1750 - 3000	1500 - 3000 1750 - 3000	689 - 1314 657 - 2282 max. 3032			Basic dimension Width Height BR height with top panel	
936 - 2936 593 - 3468 max. 3968	1311 - 2436 1718 - 2468 max. 3468	561 - 1436 593 - 2968 max. 3468	936 - 2936 593 - 2968 max. 3468	1311 - 2436 1718 - 2468 max. 3468	781 - 1406 1703 - 2953	1406 - 2906 1703 - 2953	539 - 1164 1707 - 2207 max. 2957			Clear Passage Width Height LD height with top panel	
○		○	○	○	○	○				Wooden wrap-around frame	
○		○	○	○	○	○				Wooden block frame	
○	●	○	○	○	○	○	●			Solid wooden frame	
○		○	○	○	○	○				Steel frame	
		○								Aluminium frame	
○	○	○	○	○	○		○			Fixed glazing ¹³⁾	
○		○	○	○			○			Arched frame ¹⁴⁾	
○	○	○	○	○	○	○	○			Solid	
○	○	○	○	○	○	○	○			Gypsum plasterboard	
										Gypsum	
○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾			Wooden or steel elements	
○	○	○	○	○	○	○	○			F 30 glazing 25 V	
○	○	○	○	○	○	○	○			F 90 glazing 90 V	
○	○	○	○	○	○	○	○			RS glazing 25 V	



Product-Range










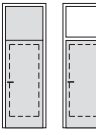
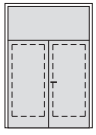
Fire-Protection- and Smoke-Protection-Doors and glazings

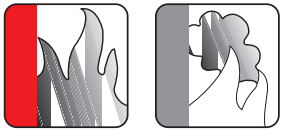
Fire-Protection		T 30		T 30			T 60		
Approval No. DIBt		Z-6.20-2040	Z-6.20-2040	applied for approval	applied for approval	applied for approval	applied for approval	applied for approval	
Smoke-Protection		RS		RS			RS		
Official Report No. IBMB		3815/5130-1	3304/8409	3304/8409	applied for approval	applied for approval	applied for approval	applied for approval	
Combination BS / RS		○		○	○	○			
Models	Type	17 N	10 N	20 N	3 N ST	16 N ST Superformat	4 N ST	3-60	4-60
	solid doors on request with glazing								
	solid door door with vision panel	17.00	10.00 10.10	20.00 20.10	3.00 ST 3.10 ST sliding door	Schiebetür 16.00 ST 16.00 ST 16.10 ST 16.10 ST on request with wicket door	4.00 ST 4.10 ST sliding door	3-60.00 3-60.10	4-60.00 4-60.10
	with top panel or fanlight								
solid door panel door with vision panel	17.01 17.02	10.01 10.02 10.11 10.12	20.01 20.02 20.11 20.12	3.00 ST 3.10 ST sliding window		4.00 ST 4.10 ST sliding window			
Thickness of doorleaf (mm)		70	110	110	50	70	50	50	
Edge of doorleaf *		D	D, S	D, S	S	S	S	F, S	
Multiple functions	Sound-Insulation Rw,P 32 dB		○	○	○			○	○
	Sound-Insulation Rw,P 37 dB		○	○	○			○ 17)	
	Sound-Insulation Rw,P 42 dB		○	○					
	Sound-Insulation Rw,P 45 dB		○						
	Sound-Insulation Rw,P 48 dB	● 12)							
	Sound-Insulation Rw,P 50 dB								
	Burglar-Protection WK 2	○ 1)							
	Burglar-Protection WK 3	○ 1)							
	Burglar-Protection WK 4								
	Radiation-Protection	○ 2)				○ 2)	○ 2)	○ 2)	○ 2)
	Bullet-Resistant M3								
	Climatic Category II 5)	●	●	●	●	●	●	●	●
Climatic Category III 5)	○			○	○	○	○	○	
Stress group E 5)	●	●	●				●	●	
Measures in mm	Basic dimension	Width 625 - 1314	750 - 1500	1375 - 3000	625 - 1500	1000 - 2960	1000 - 2852	625 - 1314	1250 - 2500
	BR	Height 1750 - 2500 max. 3500	1000 - 3500 max. 5000	1750 - 3500 max. 5000	625 - 3000	2000 - 3000	1000 - 3000	1750 - 2500	1750 - 2500
	Clear Passage	Width 531 - 1220	656 - 1406	1281 - 2906	561 - 1370	936 - 2888	936 - 2788	561 - 1250	1186 - 2436
	LD	Height 1703 - 2453 max. 3459	938 - 3453 max. 4953	1703 - 3453 max. 4953	591 - 2968	1968 - 2968	968 - 2968	1718 - 2468	1718 - 2468
Frames	Wooden wrap-around frame	○	○	○	○	○	○	○	○
	Wooden block frame	○	○	○	○	○	○	○	○
	Solid wooden frame	○	○	○	○	○	○	○	○
	Steel frame	○	○	○	○	○	○	○	○
	Aluminium frame	○	○	○	○	○	○	○	○
	Fixed glazing¹³⁾	○	○	○					
	Arched frame¹⁴⁾		○	○					
Walls	Solid	○	○	○	○	○	○	○	○
	Gypsum plasterboard	○	○	○	○	○	○	○	○
	Gypsum								
	Wooden or steel elements	○ 18)	○ 18)	○ 18)	○ 18)	○ 18)	○ 18)	○ 19)	○ 19)
	F 30 glazing 25 V	○	○	○	○	○	○		
	F 90 glazing 90 V								
RS glazing 25 V	○	○	○	○		○			

● standard ○ on request

Explanations 1) – 26) see page 8 to 10

(* F = rebated, S = unrebated, D = double-rebated)

T 60		T 60	T 90						T 120	Fire-Protection
applied for approval	applied for approval	Z-6.20-1946	Z-6.20-1933						applied for approval	Approval No. DIBt
RS			RS	RS		RS		RS	Smoke-Protection	
applied for approval	applied for approval							applied for approval	Official Report No. IBMB	
●			○	○		○		○	Combination BS / RS	
5-60	6-60	21 N	3-90	8 N	24 N		80-1	80-2	120-1	Type
										solid doors on request with glazing
5-60.00 5-60.10	6-60.00 6-60.10	21.00 21.10	3-90.00	8.00 8.10	24.00 24.10		80-1.00	80-2.00	120-1.00	solid door door with vision panel
										with top panel or fanlight
				8.01 8.02 8.11 8.12	24.01 24.02 24.11 24.12					solid door panel door with vision panel
70	70	70	50	70	70		91	91	70	Thickness of doorleaf (mm)
F, S	F, S	F, S	F ²⁵⁾ , S	F, S	F, S		F, S, D	F, S, D	S	Edge of doorleaf *
		○	○	○	○				○	Sound-Insulation Rw,P 32 dB
○	○		○ ¹⁷⁾	○	○ ⁸⁾				○	Sound-Insulation Rw,P 37 dB
●	●						●	●		Sound-Insulation Rw,P 42 dB
										Sound-Insulation Rw,P 45 dB
										Sound-Insulation Rw,P 48 dB
										Sound-Insulation Rw,P 50 dB
○ ¹⁾	○ ¹⁾			○ ¹⁾	○ ¹⁾		○ ¹⁾	○ ¹⁾	○ ¹⁾	Burglar-Protection WK 2
				○ ¹⁾			○ ¹⁾			Burglar-Protection WK 3
										Burglar-Protection WK 4
○ ²⁾	○ ²⁾									Radiation-Protection
										Bullet-Resistant M3
●	●	●	●	●	●		●	●	●	Climatic Category II ⁵⁾
○	○		○	○	○		○	○	○	Climatic Category III ⁵⁾
●	●	●	●	●	●		●	●	●	Stress group E ⁵⁾
750 - 1314 1750 - 2500	1250 - 2500 1750 - 2500	625 - 1125 1750 - 2125	625 - 1314 1750 - 2500	625 - 1500 1750 - 3000 max. 4000	1250 - 3000 1750 - 3000 max. 4000		875 - 1500 1750 - 3000	1500 - 3000 1750 - 3000	750 - 1314 1750 - 2500	Basic dimension Width Height BR height with top panel
686 - 1250 1718 - 2468	1186 - 2436 1718 - 2468	561 - 1061 1718 - 2093	561 - 1250 1718 - 2468	561 - 1436 1718 - 2968 max. 3968	1186 - 2936 1718 - 2968 max. 3968		781 - 1406 1703 - 2453	1406 - 2906 1703 - 2453	686 - 1250 1718 - 2468	Clear Passage Width Height LD height with top panel
○	○	○	○	○	○		○	○	○	Wooden wrap-around frame
○	○	○	○	○	○		○	○	○	Wooden block frame
○	○			○	○		○	○		Solid wooden frame
○	○	○ ⁷⁾	○	○	○		○	○	○	Steel frame
				○	○		○	○		Aluminium frame
										Fixed glazing ¹³⁾
								○		Arched frame ¹⁴⁾
○	○	○	○	○	○		○	○	○	Solid
○	○			○	○		○	○		Gypsum plasterboard
										Gypsum
○ ¹⁹⁾	○ ¹⁹⁾	○ ¹⁹⁾	○ ¹⁹⁾	○ ¹⁹⁾	○ ¹⁹⁾		○ ¹⁹⁾	○ ¹⁹⁾	○ ²³⁾	Wooden or steel elements
										F 30 glazing 25 V
				○	○		○	○		F 90 glazing 90 V
										RS glazing 25 V



Product-Range




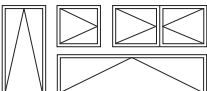
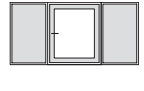

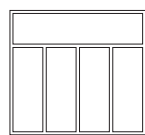
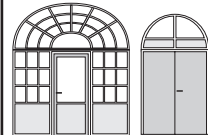
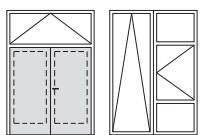
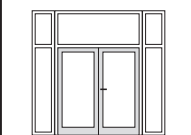
Fire-Protection- and Smoke-Protection-Doors and glazings

Fire-Protection	T 30			T 30		T 90		T 90		
Approval No. DIBt	Z-6.20-2007	Z-6.20-2007	Z-6.20-2007	applied for approval	applied for approval	Z-6.15-1736	Z-6.15-1737	applied for approval	applied for approval	
Smoke-Protection	RS			RS		RS		RS		
Official Report No. IBMB	3433/3433-1	3433/3433-2	3433/3433-2	applied for approval	applied for approval	3900/6761	3900/6781	applied for approval	applied for approval	
Combination BS / RS	○			○		○		○		
Type	25 N	27 N	27 N GLT	25 N Slimline	27 N Slimline	91 N	92 N	91 N Slimline	92 N Slimline	
solid doors on request with glazing										
solid door door with vision panel	25.10 (KL)	27.10 (KL)	27.10 GLT reversed door	25.10 SL Slimline	27.10 SL Slimline	91.10	92.10	91.10 SL Slimline	92.10 SL Slimline	
with top panel or fanlight										
solid door panel door with vision panel	25.11 25.12	27.11 27.12	27.12 GLT reversed door							
Thickness of doorleaf (mm)	73 / 95	73 / 95	73 / 95	50	73	110	110	110	110	
Edge of doorleaf *	F, S, D	F, S, D	F, S, D	S	S	S	S	S	S	
Sound-Insulation Rw,P 32 dB	○	○	○	○	○	○	○	○	○	
Sound-Insulation Rw,P 37 dB	○	○	○	○	○	○	○	○	○	
Sound-Insulation Rw,P 42 dB	○	○				○	○			
Sound-Insulation Rw,P 45 dB										
Sound-Insulation Rw,P 48 dB										
Sound-Insulation Rw,P 50 dB										
Burglar-Protection WK 2										
Burglar-Protection WK 3										
Burglar-Protection WK 4										
Radiation-Protection										
Bullet-Resistant M3										
Climatic Category II ⁵⁾	●	●	●	●	●	●	●	●	●	
Climatic Category III ⁵⁾										
Stress group E ⁵⁾										
Measures in mm	Basic dimension Width Height	625 - 1500 625 - 3750 max. 5000	1000 - 3000 625 - 3750 max. 5000	1461 - 2568 1793 - 2543 max. 3543	750 - 1375 1750 - 2625	1375 - 2625 1750 - 2625	806 - 1404 1750 - 3028	1431 - 2806 1750 - 3028	on request	1750 - 2626 1875 - 2563
	Clear Passage Width Height LD height with top panel	561 - 1436 593 - 3718 max. 4968	936 - 2936 593 - 3718 max. 4968	1311 - 2436 1718 - 2468 max. 3468	648 - 1250 1699 - 2449	1148 - 2398 1699 - 2449 max. 4968	656 - 1254 1718 - 2953	1281 - 2656 1718 - 2953	on request	1560 - 2436 1718 - 2468
Frames	Wooden wrap-around frame	○	○							
	Wooden block frame	○	○							
	Solid wooden frame	○	○	●	●	●	●	●	●	
	Steel frame	○	○							
	Aluminium frame									
	Fixed glazing ¹³⁾	○	○	○			○ ¹⁴⁾	○ ¹⁴⁾		
	Arched frame ¹⁴⁾	○	○							
Walls	Solid	○	○	○			○	○	○	○
	Gypsum plasterboard	○	○	○			○	○	○	○
	Gypsum									
	Wooden or steel elements	○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾	○ ¹⁸⁾	○ ²⁰⁾	○ ²⁰⁾	○ ²⁰⁾	○ ²⁰⁾
	F 30 glazing 25 V	○	○	○	○	○				
	F 90 glazing 90 V						○	○	○	○
RS glazing 25 V	○	○	○	○	○					

● standard ○ on request

Explanations 1) – 26) see page 8 to 10

(* F = rebated, S = unrebated, D = double-rebated)

G 30 glazing	F 30 glazing	F30 glazing (external area)	F 30 glazing	F30 glazing (external area)	F 90 glazing	Fire-Protection
Z-19.14-1278	Z-19.14-180	Z-19.14-180	applied for approval	applied for approval	Z-19.14-1521	Approval No. DIBt
RS glazing	RS glazing	RS glazing	RS glazing	RS glazing	RS glazing	Smoke-Protection
			applied for approval	applied for approval		Official Report No. IBMB
○	○	○	○	○	○	Combination BS / RS
25 VG	25 V	25 V-A	25 V-DK	25 V-DA	90 V	Type
						solid doors on request with glazing
G 30 fixed glazing	F 30 fixed glazing or RS fixed glazing	F 30 fixed glazing or RS fixed glazing	F 30 resp. RS movable glazing	F 30 resp. RS movable glazing	F 90 glazing	solid door door with vision panel
						with top panel or fanlight
Combination with doors not possible	Combination with T 30-Doors or with RS-Doors		Combination with F 30 glazing or T 30- resp. RS-Doors		Combination with T90-Doors	solid door panel door with vision panel
73 / 95	73 / 95	95	73 / 95	95	110	Thickness of doorleaf (mm)
						Edge of doorleaf *
○	○	○	○	○	○	Sound-Insulation Rw,P 32 dB
	○	○	○	○	○	Sound-Insulation Rw,P 37 dB
	○	○		○		Sound-Insulation Rw,P 42 dB
						Sound-Insulation Rw,P 45 dB
						Sound-Insulation Rw,P 48 dB
						Sound-Insulation Rw,P 50 dB
	○	○				Burglar-Protection WK 2
	○	○				Burglar-Protection WK 3
						Burglar-Protection WK 4
						Radiation-Protection
						Bullet-Resistant M3
			●			Climatic Category II⁵⁾
		● ²⁴⁾		● ²⁴⁾		Climatic Category III⁵⁾
						Stress group E⁵⁾
solid wall BR-width unlimited BR-height max. 3500	solid wall BR-width unlimited BR-height max. 5000	solid wall BR-width unlimited BR-height max. 5000	BR max. 1125 x 1500 or BR max. 2500 x 1000	solid wall BR-width 625 x 1125 BR-height 625 x 2250	solid wall BR-width unlimited BR-height max. 5000	Basic dimension Width Height BR height with top panel
gypsum plasterboard BR-width max. 3500 BR-height max. 3500	gypsum plasterboard BR-width max. 4000 BR-height max. 4500		25 N, 27 N as flap BR 625 x 625 up to BR 2500 x 2500		gypsum plasterboard BR-width max. 4000 BR-height max. 4500	Clear Passage Width Height LD height with top panel
	○		○			Wooden wrap-around frame
	○		○		○	Wooden block frame
●	●	●	●	●	●	Solid wooden frame
						Steel frame
						Aluminium frame
						Fixed glazing¹³⁾
○	○		○		○	Arched frame¹⁴⁾
○	○	○	○	○	○	Solid
○	○		○		○	Gypsum plasterboard
						Gypsum
○ ²¹⁾	○ ²¹⁾	○ ²¹⁾	○ ²¹⁾	○ ²¹⁾	○ ¹⁹⁾	Wooden or steel elements
	○ T 30-Doors	○ T 30-Windows	○ T 30-Doors			F 30 glazing 25 V
					○ T 90-Doors	F 90 glazing 90 V
	○ RS-Doors	○ RS-Windows	○ RS-Doors			RS glazing 25 V

Explanations measures (in mm) Type	doorleaf thick- ness about	lock position push side – middle of lock	minimum frieze width lateral/above/below intermediate frieze	weight in kg/m ² solid door about	to 1)	to 2)	to 3)	to 4)
					WK 2 / WK 3 / WK 4 in solid wall / gypsum plasterboard wall, proofed push and pull side	radiation protection pb ≤ 2 mm solid door without top panel with steel frame	Bullet-Resistance M 3 solid door without top panel with steel frame	gypsum wall door without top panel
1 N	42	20,5 (F) 15,5 (S)	≥ 120/120/220 ≥ 60	28	WK 2 1.00 only solid walls (push side)			
3 N (KL)	50	20 (F)	≥ 120/120/220	33	WK 2/WK 3 3.00 3.00 KL WK 2 3.01 13.01 KL WK 2 13.00 13.00 KL max. BR-width 1250 max. BR-height 2250	T 30 3.00 13.00 RS 3.00 3.01 RS 13.00 weight up to 200 kg	3.00 3.00 KL Z-6.20-1947 max. BR-width 1000 max. BR-height 2125 62 kg/m ²	3.00 3.10 13.00 13.10
13 N (KL)		22 (S)	≥ 60	42				
4 N (KL)	50	20	≥ 120/120/220 ≥ 60	33		T 30 4.00 14.00 RS 4.00 4.01 RS 14.00 weight up to 200 kg		RS 4.00 4.10
14 N (KL)	50		≥ 60	42				
4 N-PT	50		≥ 120/120/220	33				
16 N	70	37 (F) / 43 (S)	≥ 120/120/220 ≥ 60 jamb rebate dimension 1273 x 2473 WK 2/WK 3 ≥ 160/160/300 ≥ 160	45	WK 2/WK 3 16.00 16.10 16.01 16.02 16.12 max. BR-width 1314 max. BR-height 3500 WK 4¹⁾ 16.00 max. BR-width 1306 max. BR-height 2280	T 30 16.00 RS 16.00 16.01 weight up to 200 kg		
16 N Superformat				35				
26 N	70	41	≥ 120/120/220 ≥ 60 jamb rebate dimension 1273 x 2473 WK 2/WK 3 ≥ 160/160/300 ≥ 160	45	WK 2/WK 3 26.00 26.10 26.01 26.02 26.12 max. BR-width 2500 max. BR-height 3500	T 30 26.00 RS 26.00 26.01 weight up to 250 kg		
26 N GLT								
26 N BR > 3000x3000				35				
5 N	70	37 (F) / 43 (S)	≥ 120/120/220 ≥ 60 WK 2/WK 3 ≥ 160/160/300 ≥ 160	45	WK 2/WK 3 5.00 5.02 5.10 5.01 5.12 max. BR-width 1314 max. BR-height 3500	T 30 5.00 RS 5.00 5.01 weight up to 250 kg		
6 N	70	41 (SD 37) 37 (SD 42)	≥ 120/120/220 ≥ 60 WK 2/WK 3 ≥ 160/160/300 ≥ 160	45	WK 2/WK 3 6.00 6.02 6.10 6.01 6.12 max. BR-width 2500 max. BR-height 3500	T 30 6.00 RS 6.00 6.01 weight up to 250 kg		
6 N GLT								
50-1	91	37 (F) / 43 (S)		68	WK 2/WK 3 50-1.00 max. BR-width 1314 max. BR-height 2500	T 30 50-1.00 RS 50-1.00 weight up to 250 kg		
50-2	91	41 (SD 37) 37 (SD 42)		68	WK 2/WK 3 50-2.00 max. BR-width 2500 max. BR-height 2500	T 30 50-2.00 RS 50-2.00 weight up to 250 kg		
35 N	70	37 (D)	≥ 160/160/300 ≥ 60 WK 2/WK 3 ≥ 160/160/300 ≥ 160	45/57	WK 2/WK 3 35.00 35.10 35.02 35.12 max. BR-width 1306 max. BR-height 2282			
17 N	70	37 (D)		48	WK 2 WK 3 17.00 17.00 max. BR-width 1314 max. BR-height 2250 17.02	RS 17.00 17.01 weight up to 250 kg		
10 N	110	65 (D) / 81 (S)	≥ 200/200/300 ≥ 60	43/62				
20 N	110	65	≥ 200/200/300 ≥ 60	43/62				

1) WK 4 in solid walls proofed from pull-side.

Type of glasses: Pyrostop 30-10 about 38 kg/m²; Pyrostop 30-17 about 58 kg/m², Pyrostop 90-101 about 86 kg/m², ESG 8 mm about 20 kg/m²; security glasses: configuration depends on the purpose.

Lead inlay: about 13 kg/m² each mm thickness

measures (in mm) Type	Explanations				to 1)	to 2)	to 3)	to 4)
	doorleaf thick- ness about	lock position push side – middle of lock	minimum frieze width lateral/above/below intermediate frieze and pull side	weight in kg/m ² solid door about	WK 2 / WK 3 / WK 4 in solid wall / gypsum plasterboard wall, proofed push	radiation protection pb ≤ 2 mm solid door without top panel with steel frame	Bullet-Resistance M 3 solid door without top panel with steel frame	gypsum wall door without top panel
3 N ST	50	25 (S)	≥ 120/120/220 ≥ 60	33		T 30 3.00-ST RS 3.00-ST weight up to 280 kg		
16 N ST <i>Superformat</i>	70	35 (S)	≥ 120/120/220 ≥ 60	35		T 30 16.00-ST weight up to 280 kg		
4 N ST	50	25 (S)	≥ 120/120/220 ≥ 60	33		T 30 4.00-ST weight up to 280 kg		
3-60	50	20 (F) 22 (S)	≥ 120/120/220 ≥ 60	42		T 60 3-60.00 weight up to 200 kg		
4-60	50	21	≥ 120/120/220 ≥ 60	42		T 60 4-60.00 weight up to 200 kg		
5-60	70	37 (F) 43 (S)	≥ 120/120/220 ≥ 60	58	WK 2 max. BR-width 1314 max. BR-height 2500	T 60 5-60.00 weight up to 250 kg		
6-60	70	37	≥ 120/120/220 ≥ 60	58	WK 2 max. BR-width 2500 max. BR-height 3500	T 60 6-60.00 weight up to 250 kg		
21 N	70	37 (F) 43 (S)	≥ 200/200/400	45				
3-90	50	22		42				
8 N	70	37 (F) / 43 (S)	≥ 90/90/110; jamb rebate dimension 1084 x 2223 ≥ 120/120/220; jamb rebate dimension 1273 x 2473 ≥ 160/160/300	52	WK 2 / WK 3 8.00 8.01 max. BR-width 1314 max. BR-height 2500			
24 N	70	37	≥ 90/90/110; jamb rebate dimension 1084 x 2223 ≥ 120/120/220; jamb rebate dimension 1273 x 2473 ≥ 160/160/300	52	WK 2 24.00 24.01 max. BR-width 2500 max. BR-height 2500			
80-1	91	37 (F) / 43 (S)	≥ 120/120/220; jamb rebate dimension 1084 x 2223 ≥ 160/160/300 ≥ 120	75	WK 2 / WK 3 80-1.00 max. BR-width 1314 max. BR-height 2500			
80-2	91	37)	≥ 120/120/220; jamb rebate dimension 1084 x 2223 ≥ 160/160/300 ≥ 120	75	WK 2 80-1.00 max. BR-width 2500 max. BR-height 2500			
120-1	70	43		52	WK 2 bis BR 1314 x 2500			
25 N	73/95	37 (F) / 44 (S) with narrow style lock: 35 (F) / 42 (S)	≥ 75/75/105 with intermediate frieze ≥ 280; ≥ 105/105/105 without inter- mediate frieze; jamb rebate dimension 1273 x 2348 ≥ 135/135/135	38–56 depends on the glass				
27 N 27 N GLT	73/95	41 with narrow style lock: 39	≥ 75/75/105 with intermediate frieze ≥ 280; ≥ 105/105/105 without inter- mediate frieze; jamb rebate dimension 1273 x 2348 ≥ 135/135/135	38–56 depends on the glass				

Type of glasses: Pyrostop 30-10 about 38 kg/m²; Pyrostop 30-17 about 58 kg/m², Pyrostop 90-101 about 86 kg/m², ESG 8 mm about 20 kg/m²; security glasses: configuration depends on the purpose.

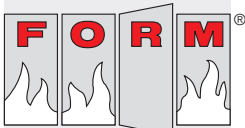
Lead inlay: about 13 kg/m² each mm thickness

measures (in mm) Type	Explanations				to 1)	to 2)	to 3)	to 4)
	doorleaf thick- ness about	lock position push side – middle of lock	minimum frieze width lateral/above/below intermediate frieze	weight in kg/m ² solid door about	WK 2 / WK 3 / WK 4 in solid wall / gypsum plasterboard wall, proofed push and pull side	radiation protection pb ≤ 2 mm solid door without top panel with steel frame	Bullet-Resistance M 3 solid door without top panel with steel frame	gypsum wall door without top panel
25 N Slimline	50	22	≥ 30/30/0 with intermediate frieze ≥ 280	30/56 glass incl.				
27 N Slimline	73	41	≥ 30/30/0 with intermediate frieze ≥ 280	30/56 glass incl.				
91 N	110	65 with narrow style lock: 63	≥ 70/70/70 ≥ 40	84 glass incl.				
92 N	110	65 with narrow style lock: 33	≥ 70/70/70 ≥ 40	84 glass incl.				
91 N Slimline	110	on request		84 glass incl.				
92 N Slimline	110	65 with narrow style lock: 63		84 glass incl.				

Type of glasses: Pyrostop 30-10 about 38 kg/m²; Pyrostop 30-17 about 58 kg/m², Pyrostop 90-101 about 86 kg/m², ESG 8 mm about 20 kg/m²; security glasses: configuration depends on the purpose.

Lead inlay: about 13 kg/m² each mm thickness

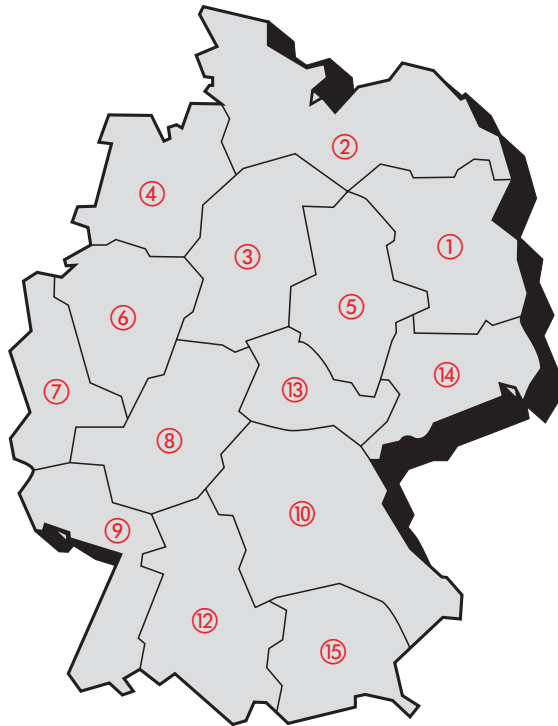
- 5) only as high as lintel, without glazing
- 6) not in combination with Bullet-Resistance
- 7) only solid wall
- 8) with rebated edge, without top panel
- 9) U-value $1,31 \frac{W}{m^2 \cdot K}$ at solid door
- 10) U-value $1,38 \frac{W}{m^2 \cdot K}$ at solid door
- 11) Climatic Category IV
- 12) with top panel Sound Insulation $R_{w,P} = 47$ dB
- 13) with wooden or steel frame applied for approval
- 14) with solid wooden frame
- 15) supersize: door leaf width up to 2000 mm on request
- 16) only Smoke-Protection
- 17) Sound-Insulation $R_{w,P} = 36$ dB
- 18) wood ≥ F 60B, steel ≥ F 60A
- 19) steel ≥ F 90A
- 20) steel ≥ F 120A
- 21) wood ≥ F 30, steel ≥ F 30
- 22) CE-labelling acc. to DIN EN 14351-1 (external doors),
in preparation
- 23) steel ≥ F 180 A
- 24) – climate category 4
– stress group E (4)
– wind load class 5 B
– water tightness class 9 A
– U-value ≥ 1,3
– air permeability class 4
- 25) 3-90 rebated,
BR – max. width 1125 mm
BR – max. height 2250 mm
- 26) Fire-Protection door Typ 3N-NT/Typ 4N-NT
Z-6.20-2106
LD-width: 561 – 1250 mm } 3N-NT
LD-height: 1718 – 2468 mm }
LD-width: 1061 – 2436 mm } 4N-NT
LD-height: 1718 – 2468 mm }



Schörghuber

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