

distinctive steel window systems

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W40 Fire



W40 Fire

Steel is the ideal material for the realization of fire doors, thanks to its stability in the event of a fire. Associated to the correct fire-rated glass, it guarantees a secure barrier against fire and smoke.

FerroFinestra W40 Fire - with fire protection classes from E30 to E120 - offers a wide range of possibilities for finely dividing residential, commercial and institutional buildings into safe fire protection sectors.

Keeping the original manufacturing method of hot-rolling, FerroFinestra W40 Fire has an evocative and elegant design that meets the highest architectural demands, both for renovation works and contemporary buildings.

Fire out, beauty in

L'acciaio è il materiale ideale per la realizzazione di porte tagliafuoco, grazie alla sua stabilità in caso di incendio. Associato al vetro adeguato, garantisce una barriera sicura contro il fuoco e il fumo.

FerroFinestra W40 Fire - con classi di protezione da E30 a E120 - offre un'ampia gamma di possibilità per suddividere con stile gli interni di edifici residenziali, commerciali e istituzionali in locali protetti.

Unico a mantenere il metodo di produzione originale, quello della laminazione a caldo, FerroFinestra W40 Fire è caratterizzato da un design evocativo ed autentico, che soddisfa le più alte esigenze progettuali, sia in interventi di riqualificazione che nell'architettura contemporanea.

Fire out, beauty in

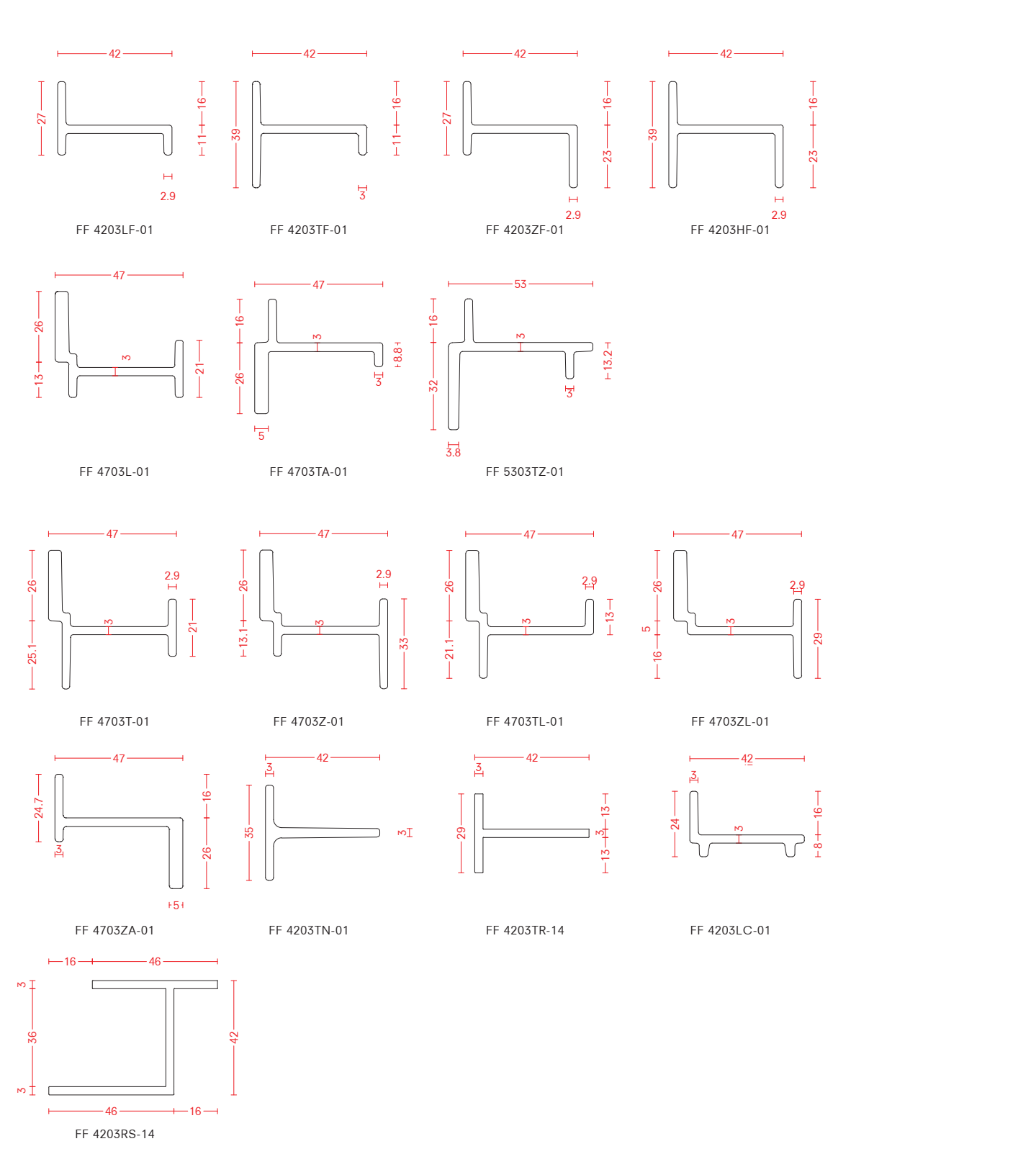




W40 Fire

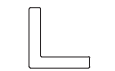
profile range

-01 Hot rolled steel -14 Laser welded and sand blasted steel



glazing beads

-01 Hot rolled steel



FV 1616A-01

intumescent strips

-81 foamable graphite black -84 foamable black

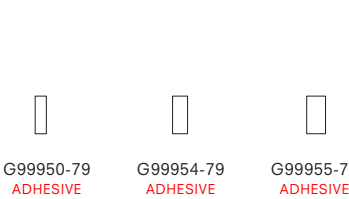


G99953-81
ADHESIVE

G99956-84
ADHESIVE

internal/external tape seals

-79 CaMg silicate white



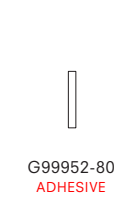
G99950-79
ADHESIVE

G99954-79
ADHESIVE

G99955-79
ADHESIVE

glass rebate intumescent strips

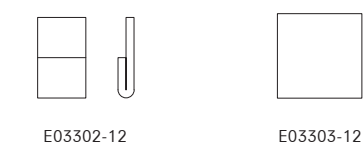
-80 graphite black



G99952-80
ADHESIVE

end pieces for second leaf

-12 Bright steel

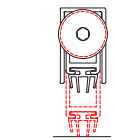


E03302-12

E03303-12

automatic drop seal

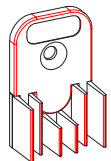
-35 Black -41 Grey RAL 7035 -62 PVC



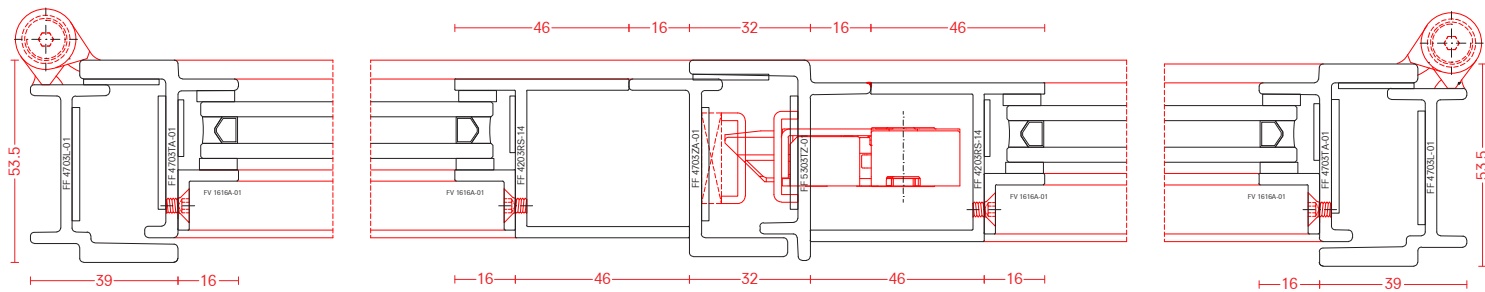
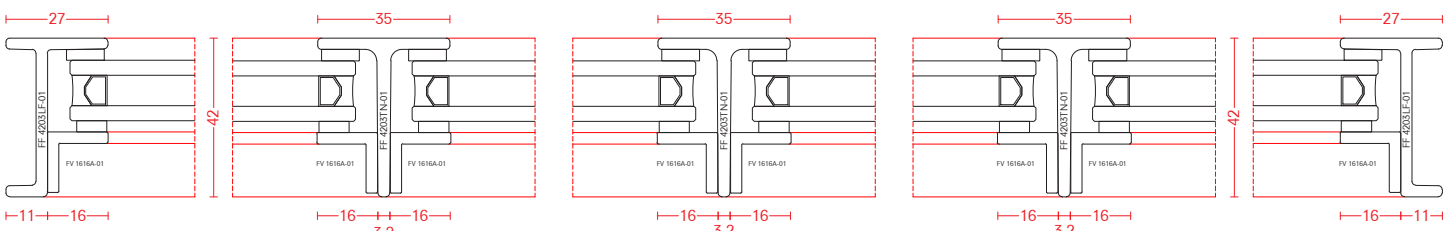
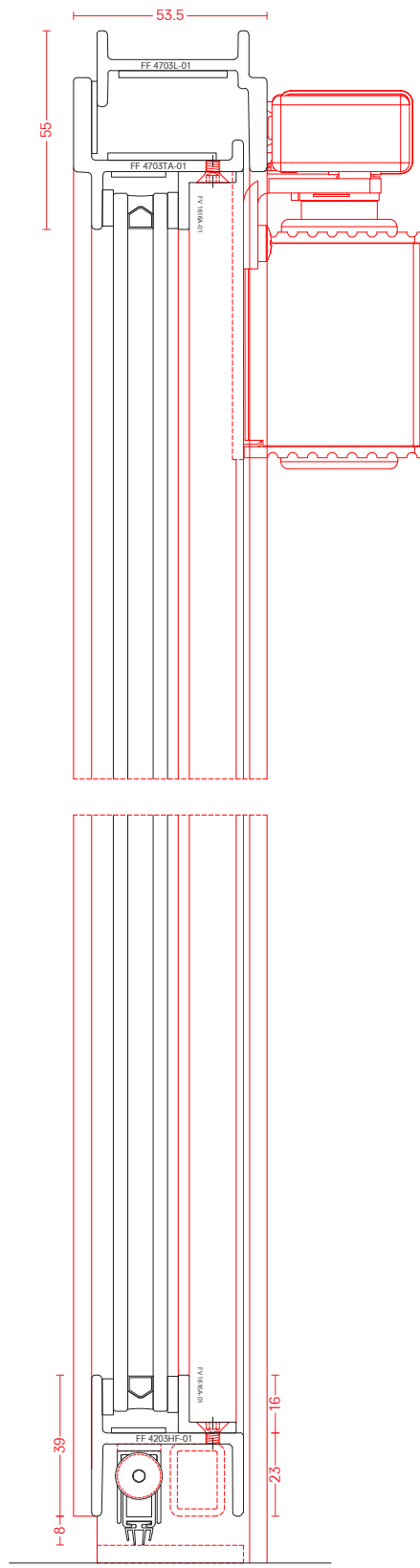
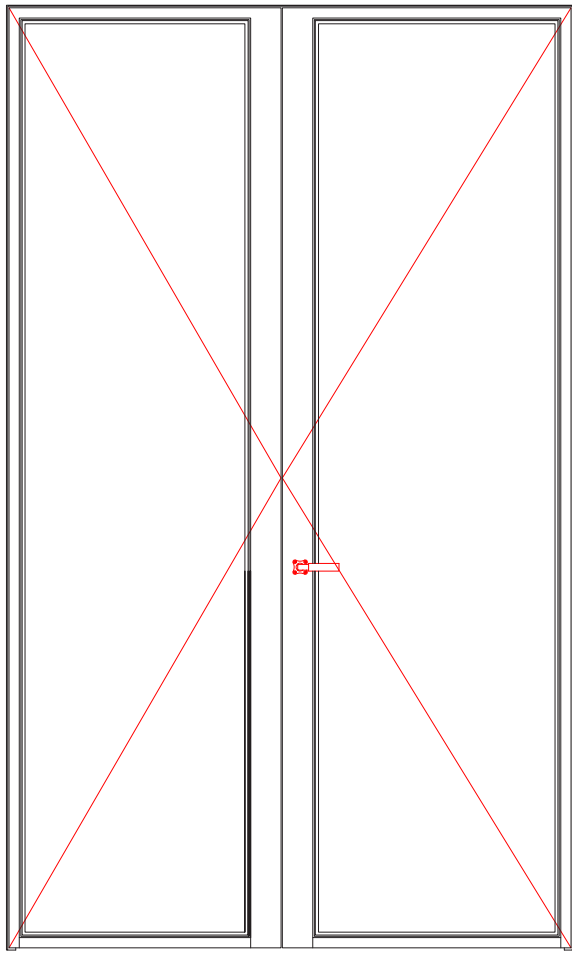
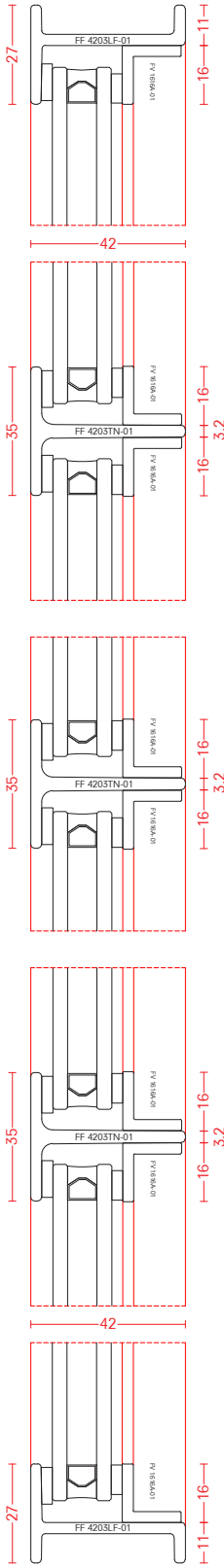
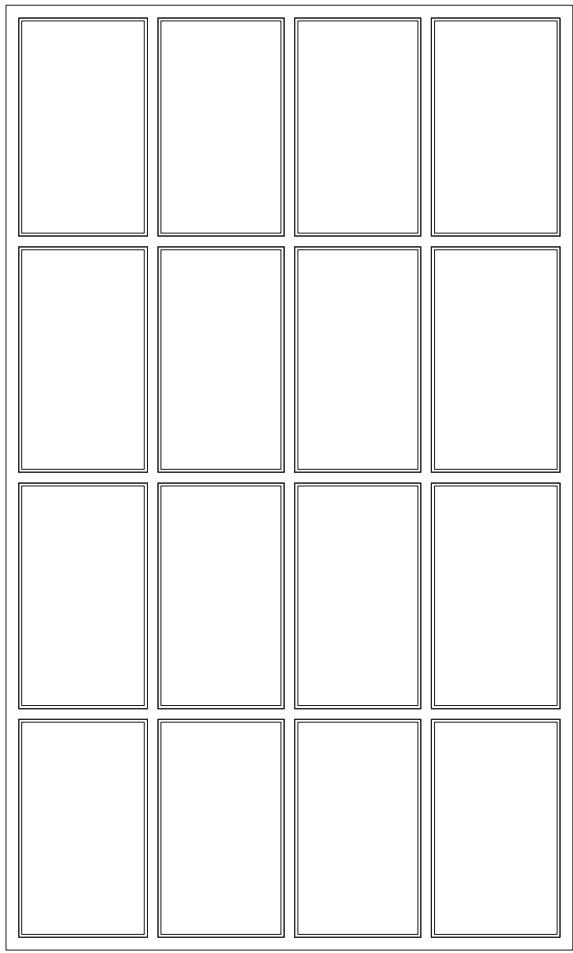
AUTOMATIC
DROP SEAL

G99501-62 330 mm (shortenable up to 50 mm)
G99502-62 430 mm (shortenable up to 135 mm)
G99503-62 530 mm (shortenable up to 200 mm)
G99504-62 630 mm (shortenable up to 200 mm)
G99505-62 730 mm (shortenable up to 200 mm)

G99506-62 830 mm (shortenable up to 200 mm)
G99507-62 930 mm (shortenable up to 200 mm)
G99508-62 1030 mm (shortenable up to 200 mm)
G99509-62 1130 mm (shortenable up to 200 mm)
G99510-62 1230 mm (shortenable up to 200 mm)



G99511-35 BLACK
G99511-41 GREY RAL 7035
SIDEWARD COVER CAP FOR
DROP-DOWN SEAL



W40 FR E30 - E60 - E90 - E120

Design Overview Based on Assessment of the Fire Resistant Performance WF 514554 - UK only

Model		Single leaf door				Double leaf door			
Subject 1	Classification	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area		
Leaf Dimensions LATCHED	E30	1480 to 2500 mm	3110 to 1190 mm	3,7m ²	1480 to 2500 mm	3110 to 1190 mm	3,7m ²		
	E50	1480 to 2500 mm	3110 to 1190 mm	3,7m ²	1480 to 2500 mm	3110 to 1190 mm	3,7m ²		
	E90	1400 to 2500 mm	2940 to 1190 mm	3,5m ²	1400 to 2500 mm	2940 to 1190 mm	3,5m ²		
	E120	1320 to 2500 mm	2770 to 1190 mm	3,3m ²	1320 to 2500 mm	2770 to 1190 mm	3,3m ²		
Subject 2	Classification	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area		
Leaf Dimensions UNLATCHED	E30	1190 mm	2500 mm	2,98m ²	1480 to 2500 mm	3110 to 1190 mm	3,7m ²		
	E50	1190 mm	2500 mm	2,98m ²	1480 to 2500 mm	3110 to 1190 mm	3,7m ²		
	E90	1190 mm	2500 mm	2,98m ²	1400 to 2500 mm	2940 to 1190 mm	3,5m ²		
	E120	1190 mm	2500 mm	2,98m ²	1320 to 2500 mm	2770 to 1190 mm	3,3m ²		
Subject 3	Classification	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area		
Glass Dimensions T-E/W/13-11/5-1	E30	1280 to 2896 mm	1600 to 2295 mm	3,67 m ²	1280 to 2896 mm	1600 to 2295 mm	3,67 m ²		
	E50	1280 to 2896 mm	1600 to 2295 mm	3,67 m ²	1280 to 2896 mm	1600 to 2295 mm	3,67 m ²		
	E90	1050 to 3348 mm	1274 to 2794 mm	3,55m ²	1050 to 3348 mm	1274 to 2794 mm	3,55m ²		
	E120	1280 to 2754 mm	1536 to 2295 mm	3,53m ²	1280 to 2754 mm	1536 to 2295 mm	3,53m ²		
Subject 4	Classification	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area		
Glass Dimensions T-E/6 & E/6 T-E/10	E30 Side	1078 to 1512 mm	1890 to 863 mm	1,63 m ²	1078 to 1512 mm	1890 to 863 mm	1,63 m ²		
	E30 Transom**	2274 to 800 mm	1000 to 2274 mm	2,27 m ²	2274 to 800 mm	1000 to 2274 mm	2,27 m ²		
Subject 5	Hardware / Fittings	Usable Hardware/Fittings			Usable Hardware/Fittings				
Hardware / Fittings	All Classifications	• All surface or concealed mounted door closer classified according EN 1154 • All locks classified according EN 12209 • Hinges Ottosturm C99008-12 • Handles Ottosturm Collection "ONE", "TIMELESS" and "HERITAGE"			• All surface or concealed mounted door closer classified according EN 1154 • All locks classified according EN 12209 • Hinges Ottosturm C99008-12 • Handles Ottosturm Collection "ONE", "TIMELESS" and "HERITAGE"				

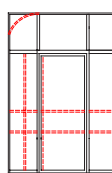
W40 FR E30 - E60 - E90 - E120

Design Overview Based on Assessment of the Fire Resistant Performance WF 514554 - UK only

Model		Single leaf door in partition				Double leaf door in partition			
Subject 1	Classification	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area		
Leaf Dimensions LATCHED	E30	1138 to 2206 mm	2743 to 923 mm	2,5m ²	1138 to 2206 mm	2743 to 923 mm	2,5m ²		
	E50	1138 to 2206 mm	2743 to 923 mm	2,5m ²	1138 to 2206 mm	2743 to 923 mm	2,5m ²		
	E90	1108 to 2206 mm	2647 to 923 mm	2,4m ²	1108 to 2206 mm	2647 to 923 mm	2,4m ²		
	E120	1061 to 2206 mm	2537 to 923 mm	2,3m ²	1061 to 2206 mm	2537 to 923 mm	2,3m ²		
Subject 2	Classification	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area		
Leaf Dimensions UNLATCHED	E30	923 mm	2203 mm	2,03m ²	1138 to 2206 mm	2743 to 923 mm	2,5m ²		
	E50	923 mm	2203 mm	2,03m ²	1138 to 2206 mm	2743 to 923 mm	2,5m ²		
	E90	923 mm	2203 mm	2,03m ²	1108 to 2206 mm	2647 to 923 mm	2,4m ²		
	E120	923 mm	2203 mm	2,03m ²	1061 to 2206 mm	2537 to 923 mm	2,3m ²		
Subject 3	Classification	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area		
Glass Dimensions T-E/W/13-11/5-1	E30 Side	1078 to 1512 mm	1890 to 863mm	1,63 m ²	1078 to 1512 mm	1890 to 863 mm	1,63 m ²		
	E30 Transom	2274 to 800 mm	1000 to 2274 mm	2,27 m ²	2274 to 800 mm	1000 to 2274 mm	2,27 m ²		
	E60 Side	1078 to 1512 mm	1890 to 863mm	1,63 m ²	1078 to 1512 mm	1890 to 863mm	1,63 m ²		
	E60 Transom	2274 to 800 mm	1000 to 2274 mm	2,27 m ²	2274 to 800 mm	1000 to 2274 mm	2,27 m ²		
	E90 Side	1078 to 1512 mm	1890 to 863mm	1,63 m ²	1078 to 1512 mm	1890 to 863mm	1,63 m ²		
	E90 Transom	2214 to 800 mm	1000 to 2214 mm	2,14 m ²	2214 to 800 mm	1000 to 2214 mm	2,14 m ²		
	E 120 Side	1057 to 1512 mm	1852 to 863mm	1,59 m ²	1057 to 1512 mm	1852 to 863mm	1,59 m ²		
	E120 Transom**	2120 to 800 mm	800 to 2120 mm	1,69 m ²	2120 to 800 mm	800 to 2120 mm	1,69 m ²		
					Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area		
					1078 to 1512 mm	1890 to 863 mm	1,63 m ²		
Subject 4	Classification	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area		
Glass Dimensions T-E/6 & E/6 T-E/10	E30 Side	1078 to 1512 mm	1890 to 863 mm	1,63 m ²	1078 to 1512 mm	1890 to 863 mm	1,63 m ²		
	E30 Transom**	2274 to 800 mm	1000 to 2274 mm	2,27 m ²	2274 to 800 mm	1000 to 2274 mm	2,27 m ²		
Subject 5	Hardware / Fittings	Usable Hardware/Fittings			Usable Hardware/Fittings				
Hardware / Fittings	All Classifications	• All surface or concealed mounted door closer classified according EN 1154 • All locks classified according EN 12209 • Hinges Ottosturm C99008-12 • Handles Ottosturm Collection "ONE", "TIMELESS" and "HERITAGE"			• All surface or concealed mounted door closer classified according EN 1154 • All locks classified according EN 12209 • Hinges Ottosturm C99008-12 • Handles Ottosturm Collection "ONE", "TIMELESS" and "HERITAGE"				

W40 FR E30 - E60 - E90 - E120

Design Overview Based on Assessment of the Fire Resistant Performance WF 514554 and Testreport WF 525930 - UK only

Model		Single leaf door with side and transom light		
				
Subject 1	Classification	Max Width	Max Height	Max Area
Dimension Partition	E30	Infinite	4000 mm	Infinite
	E50	Infinite	4000 mm	Infinite
	E90	Infinite	4000 mm	Infinite
	E120	Infinite	4000 mm	Infinite
Subject 2	Classification	Max Glass Dimension Width* to Height	Max Glass Dimension Height* to Width	Max Area
Glass Dimensions T-E/W/15-1	E30	1562 to 2894 mm	3473 to 1302 mm	4,52m²
	E50	1562 to 2894 mm	3473 to 1302 mm	4,52m²
	E90	1562 to 2894 mm	3473 to 1302 mm	4,52m²
	E120	1432 to 2894 mm	3473 to 1302 mm	4,14 m²
Subject 3	Classification	Max Glass Dimension Width* to Height	Max Glass Dimension Height* to Width	Max Area
Glass Dimensions T-E/W/13-11/5-1	E30 Side	923 to 1602 mm	1922 to 769 mm	1,48 m²
	E30 Transom	1862 to 633 mm	760 to 1552mm	1,18 m²
	E60 Side	923 to 1602 mm	1922 to 769 mm	1,48 m²
	E60 Transom	1862 to 633 mm	760 to 1552mm	1,18 m²
	E90 Side	923 to 1602 mm	1922 to 769 mm	1,48 m²
	E90 Transom	1862 to 633 mm	760 to 1552mm	1,18 m²
	E 120 Side	846 to 1602 mm	1762 to 769 mm	1,35 m²
	E120 Transom**	1707 to 633 mm	696 to 1552 mm	1,18 m²
Subject 4	Classification	Max Leaf Dimension Width* to Height	Max Leaf Dimension Height* to Width	Max Area
Glass Dimensions T-E/6 & E/6 T-E/10	E30 Side	1078 to 1512 mm	1890 to 863 mm	1,63 m²
	E30 Transom**	2274 to 800 mm	1000 to 2274 mm	2,27 m²

* If the clear door leaf dimensions under subject 1 and 2 are larger than the above glass dimensions, a number of additional horizontal and vertical transoms are permissible.
** Only T-E/10

* If the clear door leaf dimensions under subject 1 and 2 are larger than the above glass dimensions, a number of additional horizontal and vertical transoms are permissible.
** Only T-E/10

* If the clear door leaf dimensions under subject 1 and 2 are larger than the above glass dimensions, a number of additional horizontal and vertical transoms are permissible.
** Only T-E/10

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