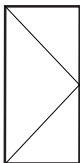
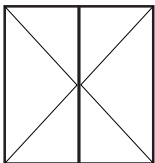
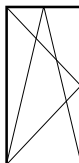
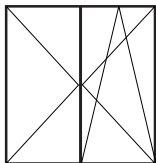
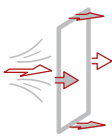
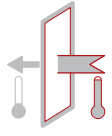
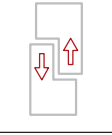


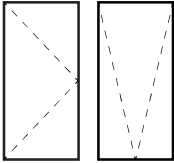
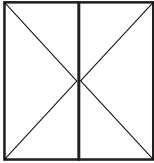
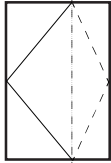
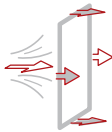
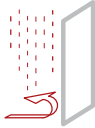
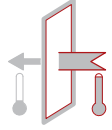
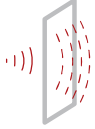
Performances

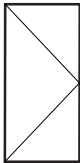
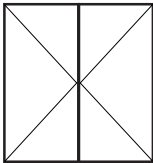
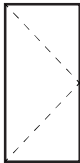
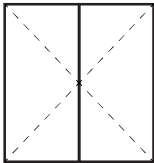
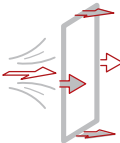
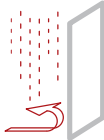
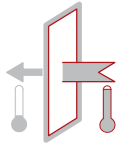
Performance

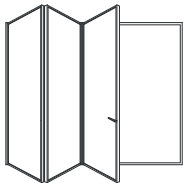
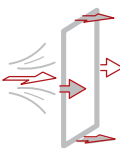
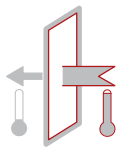
Características de prestación

1.2

Standard Norme Normas	Test Controlli Ensayos				
		Open in window Finestra apertura interna Apertura hacia dentro	Open in window Finestra apertura interna Apertura hacia dentro	Tilt&Turn window Finestra apertura anta ribalta Ventana hacia arriba	Tilt&Turn window Finestra apertura anta ribalta Ventana hacia arriba
EN12207 	Air permeability	up to class 4 - 600 Pa	up to class 4 - 600 Pa	up to class 4 - 600 Pa	up to class 4 - 600 Pa
	Permeabilità all'aria	fino alla classe 4 - 600 Pa	fino alla classe 4 - 600 Pa	fino alla classe 4 - 600 Pa	fino alla classe 4 - 600 Pa
	Permeabilidad al aire	hasta clase 4 - 600 Pa	hasta clase 4 - 600 Pa	hasta clase 4 - 600 Pa	hasta clase 4 - 600 Pa
EN12208 	Water tightness	up to class 9A - 600 Pa	up to class 9A - 600 Pa	up to class 9A - 600 Pa	up to class 8A - 450 Pa
	Tenuta all'acqua	fino alla classe 9A - 600 Pa	fino alla classe 9A - 600 Pa	fino alla classe 9A - 600 Pa	fino alla classe 8A - 450 Pa
	Estanquidad al agua	hasta clase 9A - 600 Pa	hasta clase 9A - 600 Pa	hasta clase 9A - 600 Pa	hasta clase 8A - 450 Pa
EN12210 	Resistance to wind load	up to class C5 - 2000 Pa	up to class B4 - 1600 Pa	up to class C5 - 2000 Pa	up to class C3 - 1200 Pa
	Resistenza al carico del vento	fino alla classe C5 - 2000 Pa	fino alla classe B4 - 1600 Pa	fino alla classe C5 - 2000 Pa	fino alla classe C3 - 1200 Pa
	Resistencia a la presión del viento	hasta clase C5 - 2000 Pa	hasta clase B4 - 1600 Pa	hasta clase C5 - 2000 Pa	hasta clase C3 - 1200 Pa
EN ISO10077-1 	Heat transfer coefficient	from > 1.00 W/m²K	from > 1.00 W/m²K	from > 1.00 W/m²K	from > 1.00 W/m²K
	Coefficiente di trasmittanza termica	da > 1.00 W/m²K	da > 1.00 W/m²K	da > 1.00 W/m²K	da > 1.00 W/m²K
	Coefficiente de transmisión térmica	desde > 1.00 W/m²K	desde > 1.00 W/m²K	desde > 1.00 W/m²K	desde > 1.00 W/m²K
EN ISO10140 	Sound insulation	up to 44 dB (-2;-5)		up to 44 dB (-2;-5)	
	Isolamento acustico	fino a 44 dB (-2;-5)		fino a 44 dB (-2;-5)	
	Absorción acústica	hasta 44 dB (-2;-5)		hasta 44 dB (-2;-5)	
EN14024 	Metal profile with thermal barrier Profili metallici a taglio termico Perfiles metálicos rotura térmica	CW / TC2	CW / TC2	CW / TC2	CW / TC2
EN1627 	Burglary resistance Antieffrazione Antirrobo				RC2

Standard Norme Normas	Test Controlli Ensayos			
		Open out window Finestra apertura esterna Apertura hacia fuera	Open in window (Multipoint) Finestra apertura interna (Multipoint) Apertura hacia dentro (Multipoint)	Pivot window (Multipoint) Finestra pivot (Multipoint) Ventana pivote (Multipoint)
	EN12207 Air permeability Permeabilità all'aria Permeabilidad al aire	up to class 4 - 600 Pa fino alla classe 4 - 600 Pa hasta clase 4 - 600 Pa	up to class 4 - 600 Pa fino alla classe 4 - 600 Pa hasta clase 4 - 600 Pa	up to class 4 - 600 Pa fino alla classe 4 - 600 Pa hasta clase 4 - 600 Pa
	EN12208 Water tightness Tenuta all'acqua Estanquidad al agua	up to class 9A - 600 Pa fino alla classe 9A - 600 Pa hasta clase 9A - 600 Pa	up to class 8A - 450 Pa fino alla classe 8A - 450 Pa hasta clase 8A - 450 Pa	up to class 7A - 300 Pa fino alla classe 7A - 300 Pa hasta clase 7A - 300 Pa
	EN12210 Resistance to wind load Resistenza al carico del vento Resistencia a la presión del viento	up to class C5 - 2000 Pa fino alla classe C5 - 2000 Pa hasta clase C5 - 2000 Pa	up to class C2 - 800 Pa fino alla classe C2 - 800 Pa hasta clase C2 - 800 Pa	up to class C3 - 1200 Pa fino alla classe C3 - 1200 Pa hasta clase C3 - 1200 Pa
	EN ISO10077-1 Heat transfer coefficient Coefficiente di trasmittanza termica Coeficiente de transmisión térmica	from > 1.00 W/m²K da > 1.00 W/m²K desde > 1.00 W/m²K	from > 1.00 W/m²K da > 1.00 W/m²K desde > 1.00 W/m²K	from > 1.00 W/m²K da > 1.00 W/m²K desde > 1.00 W/m²K
	EN ISO10140 Sound insulation Isolamento acustico Absorción acústica	up to 44 dB (-2;-5) fino a 44 dB (-2;-5) hasta 44 dB (-2;-5)		
	EN14024 Metal profile with thermal barrier Profili metallici a taglio termico Perfiles metálicos rotura térmica	CW / TC2	CW / TC2	CW / TC2

Standard Norme Normas	Test Controlli Ensayos				
		Open in door Porta apertura interna Apertura hacia dentro	Open in door Porta apertura interna Apertura hacia dentro	Open out door Porta apertura esterna Apertura hacia fuera	Open out door Porta apertura esterna Apertura hacia fuera
EN12207 	Air permeability Permeabilità all'aria Permeabilidad al aire	up to class 3 - 600 Pa fino alla classe 3 - 600 Pa hasta clase 3 - 600 Pa	up to class 3 - 600 Pa fino alla classe 3 - 600 Pa hasta clase 3 - 600 Pa	up to class 3 - 600 Pa fino alla classe 3 - 600 Pa hasta clase 3 - 600 Pa	up to class 2 - 600 Pa fino alla classe 2 - 600 Pa hasta clase 2 - 600 Pa
EN12208 	Water tightness Tenuta all'acqua Estanquidad al agua	up to class 6A - 250 Pa fino alla classe 5A - 200 Pa hasta clase 5A - 200 Pa	up to class 6A - 250 Pa fino alla classe 5A - 200 Pa hasta clase 5A - 200 Pa	up to class 9A - 600 Pa fino alla classe 9A - 600 Pa hasta clase 9A - 600 Pa	
EN12210 	Resistance to wind load Resistenza al carico del vento Resistencia a la presión del viento	up to class C2 - 800 Pa fino alla classe C2 - 800 Pa hasta clase C2 - 800 Pa	up to class C2 - 800 Pa fino alla classe C2 - 800 Pa hasta clase C2 - 800 Pa	up to class C2 - 800 Pa fino alla classe C2 - 800 Pa hasta clase C2 - 800 Pa	up to class B1 - 600 Pa fino alla classe B1 - 600 Pa hasta clase B1 - 600 Pa
EN ISO10077-1 	Heat transfer coefficient Coefficiente di trasmittanza termica Coeficiente de transmisión térmica	from > 1.00 W/m²K da > 1.00 W/m²K desde > 1.00 W/m²K	from > 1.00 W/m²K da > 1.00 W/m²K desde > 1.00 W/m²K	from > 1.00 W/m²K da > 1.00 W/m²K desde > 1.00 W/m²K	from > 1.00 W/m²K da > 1.00 W/m²K desde > 1.00 W/m²K
EN14024 	Metal profile with thermal barrier Profili metallici a taglio termico Perfiles metálicos rotura térmica	CW / TC2	CW / TC2	CW / TC2	CW / TC2

Standard Norme Normas	Test Controlli Ensayos	
		
		Bi-folding door - open in Sistema di porte a libro - apertura interna Sistema de puerta plegable - apertura hacia dentro
EN12207 	Air permeability Permeabilità all'aria Permeabilidad al aire	up to class 2 - 600 Pa fino alla classe 2 - 600 Pa hasta clase 2 - 600 Pa
EN12208 	Water tightness Tenuta all'acqua Estanquidad al agua	up to class 5A - 200 Pa fino alla classe 5A - 200 Pa hasta clase 5A - 200 Pa
EN12210 	Resistance to wind load Resistenza al carico del vento Resistencia a la presión del viento	up to class C2 - 800 Pa fino alla classe C2 - 800 Pa hasta clase C2 - 800 Pa
EN ISO10077-1 	Heat transfer coefficient Coefficiente di trasmittanza termica Coeficiente de transmisión térmica	from > 1.00 W/m²K da > 1.00 W/m²K desde > 1.00 W/m²K
EN14024 	Metal profile with thermal barrier Profili metallici a taglio termico Perfiles metálicos rotura térmica	CW / TC2

U_f value

Performances according
to EN 10077-2

Valore U_f

Prestazioni secondo
EN 10077-2

Valor U_f

Características de prestación
conforme EN 10077-2

	T = 24 mm	T = 36 mm	T = 45 mm	
FT 7512HK-02 FT 7512ZK-02	2.3	2.3	2.2	
FT 7512HK-05 FT 7512ZK-05	2.2	2.3	2.1	
FT 7512HK-07 FT 7512ZK-07	2.5	2.5	2.3	
FT 7512HK-12 FT 7512ZK-12	2.3	2.3	2.2	
FT 7512HK-02 FT 7512TK-02	2.5	2.4	2.2	
FT 7512HK-05 FT 7512TK-05	2.4	2.3	2.1	
FT 7512HK-07 FT 7512TK-07	2.4	2.5	2.4	
FT 7512HK-12 FT 7512TK-12	2.5	2.4	2.2	
FT 7512TK-02 FT 7512ZK-02	3.2	2.8	2.6	
FT 7512TK-05 FT 7512ZK-05	3.1	2.7	2.5	
FT 7512TK-07 FT 7512ZK-07	3.3	2.9	2.7	
FT 7512TK-12 FT 7512ZK-12	3.2	2.8	2.6	
FT 7512H-02 FT 7512Z-02	2.5	2.4	2.3	
FT 7512H-05 FT 7512Z-05	2.4	2.3	2.2	
FT 7512H-07 FT 7512Z-07	2.6	2.5	2.4	
FT 7512H-12 FT 7512Z-12	2.5	2.4	2.3	

T = Glazing thickness
According to EN 10077-2:
U_f = U_f value in [W/m²K]
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

T = Spessore vetro
Secondo EN 10077-2:
U_f = valore U_f in [W/m²K]
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

T = Espesores de vidrio
U_f = valor U_f en [W/m²K]
Conforme EN 10077-2:
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

U_f value

Performances according
to EN 10077-2

Valore U_f

Prestazioni secondo
EN 10077-2

Valor U_f

Características de prestación
conforme EN 10077-2

	T = 24 mm	T = 36 mm	T = 45 mm	
FT 7512HR-02 FT 8312ZR-02	3.0	2.9	2.8	
FT 7512HR-05 FT 8312ZR-05	2.8	2.8	2.6	
FT 7512HR-07 FT 8312ZR-07	3.0	3.0	2.8	
FT 7512HR-12 FT 8312ZR-12	3.0	2.9	2.8	
FT 7512H-02 FT 7512T-02	2.7	2.5	2.4	
FT 7512H-05 FT 7512T-05	2.6	2.4	2.3	
FT 7512H-07 FT 7512T-07	2.8	2.6	2.5	
FT 7512H-12 FT 7512T-12	2.7	2.5	2.4	
FT 8312TZ-02 FT 7512Z-02	3.3	2.9	2.7	
FT 8312TZ-05 FT 7512Z-05	3.2	2.8	2.6	
FT 8312TZ-07 FT 7512Z-07	3.5	3.0	2.8	
FT 8312TZ-12 FT 7512Z-12	3.3	2.9	2.7	
FT 7512TR-02 FT 8312ZR-02	3.7	3.2	3.0	
FT 7512TR-05 FT 8312ZR-05	3.5	3.0	2.8	
FT 7512TR-07 FT 8312ZR-07	4.0	3.5	3.2	
FT 7512TR-12 FT 8312ZR-12	3.7	3.2	3.0	

T = Glazing thickness
According to EN 10077-2:
U_f = U_f value in [W/m²K]
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

T = Spessore vetro
Secondo EN 10077-2:
U_f = valore U_f in [W/m²K]
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

T = Espesores de vidrio
U_f = valor U_f en [W/m²K]
Conforme EN 10077-2:
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

U_f value

 Performances according
 to EN 10077-2

Valore U_f

 Prestazioni secondo
 EN 10077-2

Valor U_f

 Características de prestación
 conforme EN 10077-2

	T = 24 mm	T = 36 mm	T = 45 mm	
FT 7512L-02	2.8	2.6	2.4	
FT 7512L-05	2.7	2.5	2.3	
FT 7512L-07	2.9	2.8	2.4	
FT 7512L-12	2.8	2.6	2.4	
FT 7512H-02	2.1	1.9	1.8	
FT 7512H-05	2.0	1.9	1.7	
FT 7512H-07	2.2	2.1	1.9	
FT 7512H-12	2.1	1.9	1.8	
FT 7512T-02	2.8	2.5	2.1	
FT 7512T-05	2.6	2.4	2.0	
FT 7512T-07	2.9	2.7	2.1	
FT 7512T-12	2.8	2.5	2.1	
FT 7512L-02 FT 7512L-02	3.0	2.6	2.4	
FT 7512L-05 FT 7512L-05	3.0	2.5	2.4	
FT 7512L-07 FT 7512L-07	3.2	2.8	2.6	
FT 7512L-12 FT 7512L-12	3.0	2.6	2.4	

T = Glazing thickness
 According to EN 10077-2:
 U_f = U_f value in [W/m²K]
 T = 24 mm, λ=0.035 [W/(m·K)]
 T = 36 mm, λ=0.035 [W/(m·K)]

T = Spessore vetro
 Secondo EN 10077-2:
 U_f = valore U_f in [W/m²K]
 T = 24 mm, λ=0.035 [W/(m·K)]
 T = 36 mm, λ=0.035 [W/(m·K)]

T = Espesores de vidrio
 U_f = valor U_f en [W/m²K]
 Conforme EN 10077-2:
 T = 24 mm, λ=0.035 [W/(m·K)]
 T = 36 mm, λ=0.035 [W/(m·K)]

U_f value

 Performances according
 to EN 10077-2

Valore U_f

 Prestazioni secondo
 EN 10077-2

Valor U_f

 Características de prestación
 conforme EN 10077-2

	T = 24 mm	T = 36 mm	T = 45 mm	
FT 7550LF-02	2.8	2.5	2.3	
FT 7550LF-05	2.6	2.4	2.2	
FT 7550LF-07	3.0	2.8	2.5	
FT 7550LF-12	2.8	2.5	2.3	
FT 7550TF-02	2.6	2.3	1.9	
FT 7550TF-05	2.4	2.1	1.8	
FT 7550TF-07	2.9	2.7	2.2	
FT 7550TF-12	2.6	2.3	1.9	
FT 7550L-02 FT 7550Z-02	2.5	2.3	2.2	
FT 7550L-05 FT 7550Z-05	2.2	2.1	2.0	
FT 7550L-07 FT 7550Z-07	2.7	2.6	2.5	
FT 7550L-12 FT 7550Z-12	2.5	2.3	2.2	
FT 7550L-02 FT 7550T-02	2.5	2.3	2.4	
FT 7550L-05 FT 7550T-05	2.5	2.3	2.2	
FT 7550L-07 FT 7550T-07	3.0	2.7	2.6	
FT 7550L-12 FT 7550T-12	2.5	2.3	2.4	

T = Glazing thickness
 According to EN 10077-2:
 U_f = U_f value in [W/m²K]
 T = 24 mm, λ=0.035 [W/(m·K)]
 T = 36 mm, λ=0.035 [W/(m·K)]

T = Spessore vetro
 Secondo EN 10077-2:
 U_f = valore U_f in [W/m²K]
 T = 24 mm, λ=0.035 [W/(m·K)]
 T = 36 mm, λ=0.035 [W/(m·K)]

T = Espesores de vidrio
 U_f = valor U_f en [W/m²K]
 Conforme EN 10077-2:
 T = 24 mm, λ=0.035 [W/(m·K)]
 T = 36 mm, λ=0.035 [W/(m·K)]

U_f value

Performances according
to EN 10077-2

Valore U_f

Prestazioni secondo
EN 10077-2

Valor U_f

Características de prestación
conforme EN 10077-2

	T = 24 mm	T = 36 mm	T = 45 mm	
FT 7550Z-02 FT 7550T-02	2.8	2.4	2.2	
FT 7550Z-05 FT 7550T-05	2.5	2.2	2.0	
FT 7550Z-07 FT 7550T-07	3.1	2.7	2.5	
FT 7550Z-12 FT 7550T-12	2.8	2.4	2.2	
FT 7512H-02	2.8	2.6	2.4	
FT 7512H-05	2.8	2.5	2.3	
FT 7512H-07	3.1	2.8	2.6	
FT 7512H-12	2.8	2.6	2.4	
FT 7550HF-02	2.5	2.3	2.1	
FT 7550HF-05	2.3	2.1	1.9	
FT 7550HF-07	2.8	2.6	2.3	
FT 7550HF-12	2.5	2.3	2.1	

T = Glazing thickness
According to EN 10077-2:
U_f = U_f value in [W/m²K]
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

T = Spessore vetro
Secondo EN 10077-2:
U_f = valore U_f in [W/m²K]
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

T = Espesores de vidrio
U_f = valor U_f en [W/m²K]
Conforme EN 10077-2:
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

U_f value

Performances according
to EN 10077-2

Valore U_f

Prestazioni secondo
EN 10077-2

Valor U_f

Características de prestación
conforme EN 10077-2

	T = 24 mm	T = 36 mm	T = 45 mm	
FT 7550Z-02 FT 6712LB-05	3.4	3.3	3.2	
FT 7550Z-05 FT 6712LB-05	3.3	3.2	3.0	
FT 7550Z-07 FT 6712LB-05	3.6	3.5	3.3	
FT 7550Z-12 FT 6712LB-05	3.4	3.3	3.2	
FT 7550T-02 FT 6712LB-05	2.9	2.6	2.5	
FT 7550T-05 FT 6712LB-05	2.6	2.4	2.3	
FT 7550T-07 FT 6712LB-05	3.1	2.8	2.7	
FT 7550T-12 FT 6712LB-05	2.9	2.6	2.5	

T = Glazing thickness
According to EN 10077-2:
U_f = U_f value in [W/m²K]
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

T = Spessore vetro
Secondo EN 10077-2:
U_f = valore U_f in [W/m²K]
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

T = Espesores de vidrio
U_f = valor U_f en [W/m²K]
Conforme EN 10077-2:
T = 24 mm, λ=0.035 [W/(m·K)]
T = 36 mm, λ=0.035 [W/(m·K)]

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