
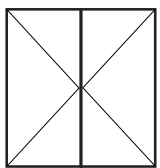
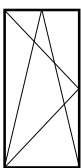
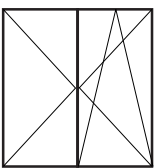
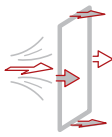


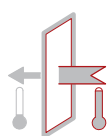

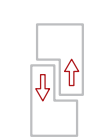
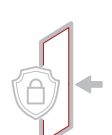


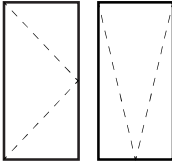
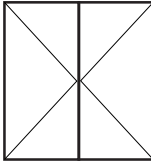
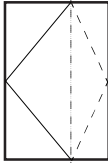
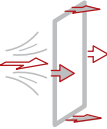


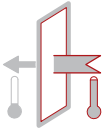


Performances

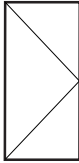
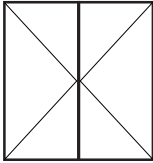
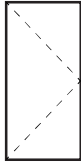
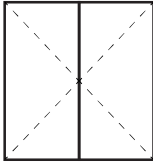
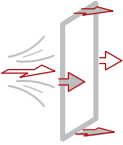
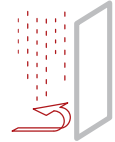

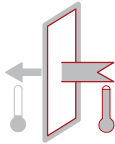

Performance

Características de prestación

1.2

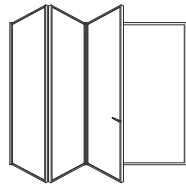
Standard Norme Normas	Test Controlli Ensayos				
		Open in window Finestra apertura interna Apertura hacia dentro	Open in window Finestra apertura interna Apertura hacia dentro	Tilt&Turn window Finestra apertura anta ribalta Ventana hacia arriba	Tilt&Turn window Finestra apertura anta ribalta Ventana hacia arriba
 EN12207	Air permeability 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	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 9A - 600 Pa fino alla classe 9A - 600 Pa hasta clase 9A - 600 Pa	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
 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 B4 - 1600 Pa fino alla classe B4 - 1600 Pa hasta clase B4 - 1600 Pa	up to class C5 - 2000 Pa fino alla classe C5 - 2000 Pa hasta clase C5 - 2000 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	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)		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	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

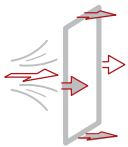
**Standard
Norme
Normas**

**Test
Controlli
Ensayos**



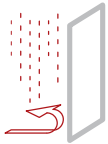
Bi-folding door - open in
Sistema di porte a libro - apertura interna
Sistema de puerta plegable - apertura hacia dentro

EN12207



Air permeability up to class 2 - 600 Pa
Permeabilità all'aria fino alla classe 2 - 600 Pa
Permeabilidad al aire hasta clase 2 - 600 Pa

EN12208



Water tightness up to class 5A - 200 Pa
Tenuta all'acqua fino alla classe 5A - 200 Pa
Estanquidad al agua hasta clase 5A - 200 Pa

EN12210



Resistance to wind load up to class C2 - 800 Pa
Resistenza al carico del vento fino alla classe C2 - 800 Pa
Resistencia a la presión del viento hasta clase C2 - 800 Pa

EN ISO10077-1



Heat transfer coefficient from $> 1.00 \text{ W/m}^2\text{K}$
Coefficiente di trasmittanza termica $> 1.00 \text{ W/m}^2\text{K}$
Coeficiente de transmisión térmica desde $> 1.00 \text{ W/m}^2\text{K}$

EN14024



Metal profile with thermal barrier CW / TC2
Profili metallici a taglio termico
Perfiles metálicos rotura térmica

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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