



serialu



# JANELAS FENÊTRES WINDOWS

BATENTE  
À FRAPPE  
CASEMENT

# P70 FP

**U<sub>W</sub>**  
1.1 \*  
W/m<sup>2</sup>

- > Folha aparente | Ouvrant apparent | Apparent opening
- > Porta | Porte | Door

 PERMEABILIDADE AO AR  
PERMEABILITÉ À L'AIR  
AIR PERMEABILITY  
**4**

 \* TLW  
**52.1%**

 ESTANQUIDEDE À ÁGUA  
ÉTANCHEITÉ À L'EAU  
WATERTIGHTNESS  
**9A**

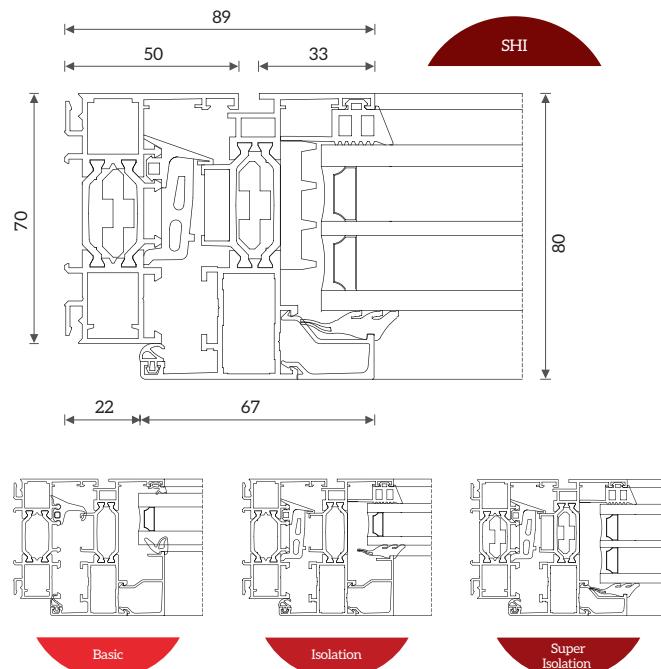
 \* R<sub>w</sub> (C; Ctr)  
**44 dB (-2; -5)**

 RESISTÊNCIA AO VENTO  
RÉSISTANCE AU VENT  
WIND RESISTANCE  
**C3**

    
DTA 6/16-2323 CSTB



## Esquema técnico Schéma Technique Technical Scheme



## Desempenho térmico | Performance thermique | Thermal performance

\* Vão de 2 folhas 1.8x2.15m | Baie de 2 battants 1.8x2.15m | Double sash 1.8x2.15m

**Coeficiente Ug do vidro** | Coefficient Ug du vitrage | Thermal Transmittance Ug of the glass  
(W/m<sup>2</sup>/K)

**Coeficiente Uw do vão** | Coefficient Uw de la baie | Thermal Transmittance Uw of the window  
(W/m<sup>2</sup>/K)

**Coeficiente Uw do vão** | Coefficient Uw de la baie | Thermal Transmittance Uw of the window  
(W/m<sup>2</sup>/K)

**Coeficiente Uw do vão** | Coefficient Uw de la baie | Thermal Transmittance Uw of the window  
(W/m<sup>2</sup>/K)

**Coeficiente Uw do vão** | Coefficient Uw de la baie | Thermal Transmittance Uw of the window  
(W/m<sup>2</sup>/K)

1.4	1.1	1.0	0.6
2	1.78	1.77	1.31
1.94	1.7	1.6	1.4
1.85	1.63	1.5	1.3
1.81	1.58	1.4	1.1

 Cálculo simplificado de acordo com as normas | Calcul simplifié en accord avec les normes | Simplified calculation in accordance with standards  
EN ISO 10077-1:2004/8 + EN 14351-1

Todas as indicações mencionadas neste catálogo (características, dimensões, informações,...) estão sujeitas a alterações e, portanto, não podem constituir um compromisso da nossa parte.  
Toutes les indications mentionnées sur le présent catalogue (caractéristiques, côtes, informations,...) sont susceptibles de modifications, elles ne peuvent donc constituer un engagement de notre part.  
All the indications mentioned on this catalog (characteristics, dimensions, informations,...) are subject to change, they cannot therefore constitute a commitment on our part.

# CPO-93

> Folha aparente | Ouvrant apparent | Apparent opening

U<sub>w</sub>  
0.89\*  
W/m<sup>2</sup>

 PERMEABILIDADE AO AR  
PERMEABILITÉ À L'AIR  
AIR PERMEABILITY  
**4**

 ESTANQUIDADE À ÁGUA  
ÉTANCHÉITÉ À L'EAU  
WATERTIGHTNESS  
**E1200**

 RESISTÊNCIA AO VENTO  
RÉSISTANCE AU VENT  
WIND RESISTANCE  
**C5**

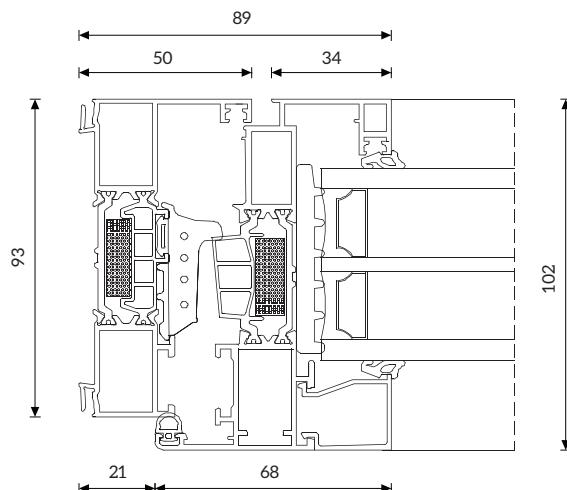
 \* TLw  
**52.1%**

 \* R<sub>w</sub> (C; Ctr)  
**33 dB (-1; -4)**

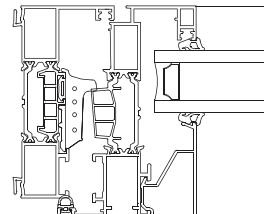




**Esquema técnico**  
**Schéma Technique**  
**Technical Scheme**



Basic



## Desempenho térmico | Performance thermique | Thermal performance

\* Vão de 2 folhas 1.8x2.15m | Baie de 2 battants 1.8x2.15m | Double sash 1.8x2.15m

**Coeficiente Ug do vidro** | Coefficient Ug du vitrage | Thermal Transmittance Ug of the glass  
(W/m<sup>2</sup>/K)

**Coeficiente Uw do vão** | Coefficient Uw de la baie | Thermal Transmittance Uw of the window  
(W/m<sup>2</sup>/K)

**Coeficiente Uw do vāo** | Coefficient Uw de la baie | Thermal Transmittance Uw of the window  
(W/m<sup>2</sup>/K)

1.1	1.0	0.7	0.5
1.48	1.41	1.18	1.03
1.34	1.26	1.03	0.89

 Cálculo simplificado de acordo com as normas | Calcul simplifié en accord avec les normes | Simplified calculation in accordance with standards  
EN ISO 10077-1:2004/8 + EN 14351-1

Todas as indicações mencionadas neste catálogo (características, dimensões, informações,...) estão sujeitas a alterações e, portanto, não podem constituir um compromisso da nossa parte.  
Toutes les indications mentionnées sur le présent catalogue (caractéristiques, côtes, informations,...) sont susceptibles de modifications, elles ne peuvent donc constituer un engagement de notre part.  
All the indications mentioned on this catalog (characteristics, dimensions, informations,...) are subject to change, they cannot therefore constitute a commitment on our part.

# AKI

- > Folha aparente | Ouvrant apparent | Apparent opening
- > Folha oculta | Ouvrant caché | Hidden frame
- > Porta | Porte | Door

**U<sub>w</sub>**  
0.85\*  
W/m<sup>2</sup>

 PERMEABILIDADE AO AR  
PERMEABILITÉ À L'AIR  
AIR PERMEABILITY  
**4**

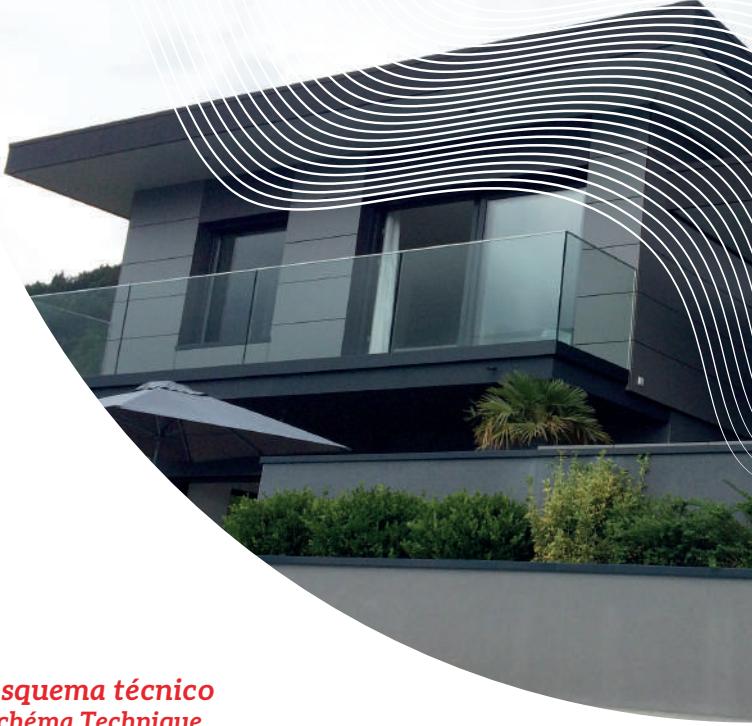
 \* TLw  
**52.7%**

 ESTANQUIDADE À ÁGUA  
ÉTANCHEITÉ À L'EAU  
WATERTIGHTNESS  
**E750**

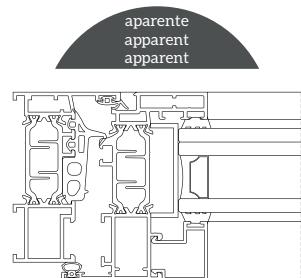
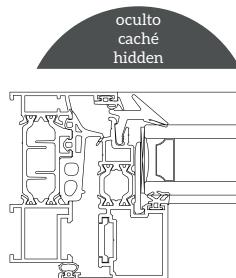
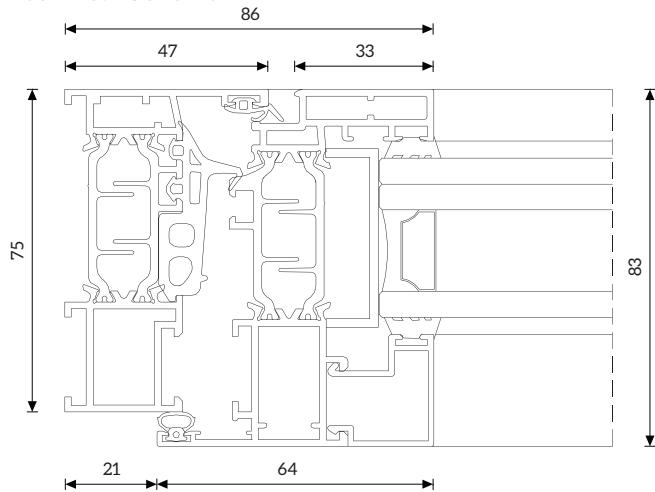
 \* R<sub>w</sub> (C; Ctr)  
**34 dB (-1; -4)**

 RESISTÊNCIA AO VENTO  
RÉSISTANCE AU VENT  
WIND RESISTANCE  
**C5**





**Esquema técnico**  
**Schéma Technique**  
**Technical Scheme**



## Desempenho térmico | Performance thermique | Thermal performance

\* Vão de 2 folhas 2.2x2.15m | Baie de 2 battants 2.2x2.15m | Double sash 2.2x2.15m

**Coeficiente U<sub>g</sub> do vidro** | Coefficient U<sub>g</sub> du vitrage | Thermal Transmittance U<sub>g</sub> of the glass  
(W/m<sup>2</sup>/K)

 1.1     1.0     0.6

**Coeficiente U<sub>w</sub> do vão** | Coefficient U<sub>w</sub> de la baie | Thermal Transmittance U<sub>w</sub> of the window  
(W/m<sup>2</sup>/K)

 1.39     1.31     1.38

**Coeficiente U<sub>w</sub> do vão** | Coefficient U<sub>w</sub> de la baie | Thermal Transmittance U<sub>w</sub> of the window  
(W/m<sup>2</sup>/K)

 1.24     1.16     0.85

 Cálculo simplificado de acordo com as normas | Calcul simplifié en accord avec les normes | Simplified calculation in accordance with standards  
EN ISO 10077-1:2004/8 + EN 14351-1

Todas as indicações mencionadas neste catálogo (características, dimensões, informações, ...) estão sujeitas a alterações e, portanto, não podem constituir um compromisso da nossa parte.  
Toutes les indications mentionnées sur le présent catalogue (caractéristiques, côtes, informations,...) sont susceptibles de modifications, elles ne peuvent donc constituer un engagement de notre part.  
All the indications mentioned on this catalog (characteristics, dimensions, informations, ...) are subject to change, they cannot therefore constitute a commitment on our part.

# ARI

- > Folha aparente | Ouvrant apparent | Apparent opening
- > Porta | Porte | Door

**U<sub>w</sub>**  
**1.42\***  
W/m<sup>2</sup>

 PERMEABILIDADE AO AR  
PERMEABILITÉ À L'AIR  
AIR PERMEABILITY  
**4**

 ESTANQUIDADE À ÁGUA  
ÉTANCHEITÉ À L'EAU  
WATERPROOFING  
**E750**

 RESISTÊNCIA AO VENTO  
RÉSISTANCE AU VENT  
WIND RESISTANCE  
**C5**

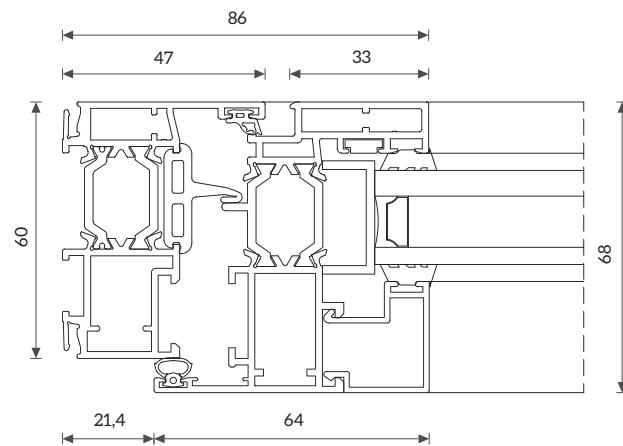
 \* TLw  
**53.8%**

 \* R<sub>w</sub> (C; Ctr)  
**34 dB (-1; -4)**





## Esquema técnico Schéma Technique Technical Scheme

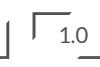


## Desempenho térmico | Performance thermique | Thermal performance

\* Vão de 2 folhas 2.2x2.55m | Baie de 2 battants 2.2x2.55m | Double sash 2.2x2.55m

**Coeficiente Ug do vidro** | Coefficient Ug du vitrage | Thermal Transmittance Ug of the glass  
(W/m<sup>2</sup>/K)

**Coeficiente Uw do vão** | Coefficient Uw de la baie | Thermal Transmittance Uw of the window  
(W/m<sup>2</sup>/K)


 Cálculo simplificado de acordo com as normas | Calcul simplifié en accord avec les normes | Simplified calculation in accordance with standards  
EN ISO 10077-1:2004/8 + EN 14351-1

Todas as indicações mencionadas neste catálogo (características, dimensões, informações, ...) estão sujeitas a alterações e, portanto, não podem constituir um compromisso da nossa parte.  
Toutes les indications mentionnées sur le présent catalogue (caractéristiques, côtes, informations,...) sont susceptibles de modifications, elles ne peuvent donc constituer un engagement de notre part.  
All the indications mentioned on this catalog (characteristics, dimensions, informations, ...) are subject to change, they cannot therefore constitute a commitment on our part.