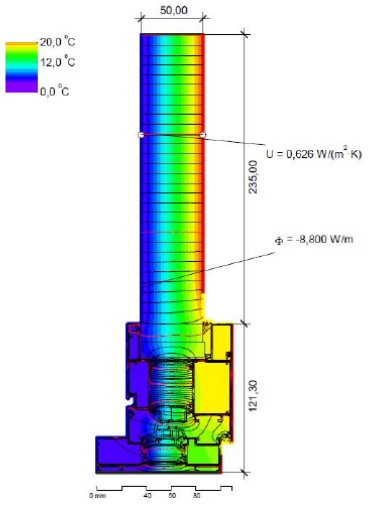
COBIANWD

COVENT IMPERIAL

Single Hinged Door

THERMAL BREAK ALUMINUM SYSTEM | PRODUCT TECHNICAL INFORMATION

COVENT IMPERIAL Thermal Break



$$U_f = \frac{\frac{8,800}{20,000} - 0,626 \cdot 0,235}{0,121} = 2,42\ W/(m^2 K)$$



EFICIENCIA ENERGETICA
Uw desde 0.9 (W/m2K)
Consultar tipología, dimensiones y vidrio.

ACRISTALAMIENTO
Máximo acristalamiento: 55 mm = 2 5/8 in
Máximo aislamiento acústico: Rw= 43 dBA

CATEGORIAS ALCANZADAS EN BANCOS DE ENSAYO
Permeabilidad al aire
(UNE-EN 1026:2000): Clase 4

Estanqueidad al agua
(UNI-EN 1027:2000): Clase E2100

Resistencia al viento
(UNE-EN 12211:2000): Clase C5

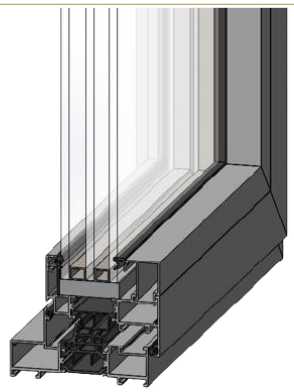
SECCIONES
Marco: 101.6 mm = 4"
Hoja: 85 mm = 3.34"

ESPERSOR PERFILERIA
Ventana: 1.5 mm = 0.05"
Puerta: 1.7 mm = 0.06"

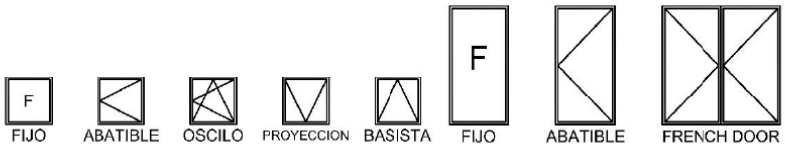
LONGITUD VARILLA POLIANIDA
34 mm = 1.33"

DIMENSIONES Y PESOS MAXIMOS

TIPO APERTURA	L MAX.	H MAX.	PESO MAX. (KG)
OSCILOBATIENTE 1 Hoja / 2 Hojas	1300 mm 51.18"	2300 mm 90.55"	120 kg 264 lb
ABATIBLE INTERIOR 1 Hoja / 2 Hojas	1100 mm 43.30"	2300 mm 90.55"	75 kg (2 Bisagras de dos Palas) 90 kg (3 Bisagras de tres Palas)



POSIBILIDADES DE APERTURA



IMPERIAL THERMAL BREAK SYSTEM

- 34 mm polyamide thermal barrier separates interior and exterior aluminum sections.
- Window frame depth: 4 in [101.6 mm] | Window sash depth: 3.34 in [85 mm].
- Maximum published glazing capacity: 55 mm | Published acoustic performance up to Rw 43 dB.

COBIAN CONFIGURATION

Hinged Door | Project dimensions subject to configuration, hardware and engineering

Technical basis: COVENT Imperial Thermal Break Technical Catalog 2025.

COBIANWD

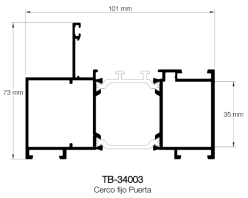
COVENT IMPERIAL

Single Hinged Door

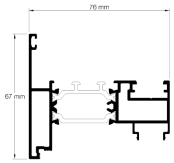
SELECTED PRIMARY PROFILES | ENGLISH IDENTIFICATION

TB-34003 DOOR FRAME / TB-34004 REVERSE MULLION

COVENT IMPERIAL Thermal Break



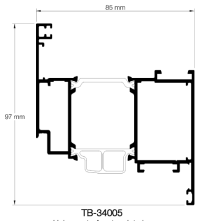
TB-34003
Cerco fijo Puerta



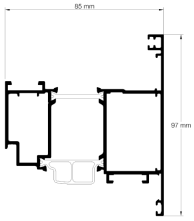
TB-34004
Pilastra inversora

TB-34005 / TB-34006 INWARD / OUTWARD-OPENING DOOR SASH

COVENT IMPERIAL Thermal Break



TB-34005
Hoja puerta Apertura Interior



TB-34006
Hoja puerto apertura exterior

Profile geometry and dimensions reproduced directly from the COVENT technical catalog; Spanish profile descriptions are identified above in English. Secondary beads, gaskets and accessory profiles are omitted.

COBIANWD

COVENT IMPERIAL

Single Hinged Door

PUBLISHED TECHNICAL PERFORMANCE

THERMAL BREAK

34 mm [1.33 in] polyamide barrier

GLAZING

Maximum published glazing: 55 mm

ENERGY

Uw from 0.9 W/m²K - manufacturer states configuration, dimensions and glass must be considered

ACOUSTIC

Maximum published acoustic insulation: Rw 43 dB

AIR

UNE-EN 1026:2000 - Class 4

WATER

UNI-EN 1027:2000 - Class E2100

WIND

UNE-EN 12211:2000 - Class C5

Published classifications apply to the source/test configuration shown by COVENT and do not replace project-specific verification for final size, glass, reinforcement and hardware.