

Series 67 IW for thermal break doors and windows

This series uses the same external and internal sections as the 56 IW series with the advantage of thermal and static characteristics that conform to the most severe current regulations. The technology used for high performance is exactly the same as the original series while thermal insulation is obtained by new specially designed thermal break bars.

This system is ranked as one of the ALUK products that can be easily manufactured and offers a high level thermal performance.



®
→ **67IW**

Thermal break windows and
Doors systems

Doors and Windows



TECHNICAL FEATURES

Raw Materials:

- Extruded sections in alloy primarily aluminum EN AW-6060 (UNI EN 755-2) T5
- Gaskets/static and dynamics in EPDM compound

Thermal Transmittance:

- $U_f = 2,0 - 3,2 \text{ W/m}^2\text{K}$
Technical Report I.T.C. n.2008.04.01.0156
- $U_W = 1,8 \text{ W/m}^2\text{K}$
Technical Report I.T.C. n. 0970/CPD/RP0495 window 1 shutter casements 1230 mm x 1480 mm con $U_g = 1,1 \text{ W/m}^2\text{K}$

Acoustic Insulation:

$R_w = 47 \text{ dB}$
Test Report I.T.C. n. 4577-RP-08

Air Permeability: held class 4

Water Proofing: E1200

Wind Resistance: C5

(Test Report I.T.C. n. 0970-CPD-RP0323)

Profiles:

- Frame depth for doors 66,5 mm
- Shutter depth for windows and balcony doors 76,5 mm

This series has a classic design. The shutters for the windows and balcony doors are externally flat and internally overlapping and they can be supplied in various forms as well as in a rounded shape.

The top overhanging windows (single or installed in strip windows) can be equipped with hinges and stopping arms or with self-balancing friction stays for heavier shutters.

The enlarged shutter profiles for balcony doors have been sized adequately to easily hold a mortised lock with a double handle. It also allows the installation of thick glass necessary for anti-theft security. The doors are flat and have a depth of 66.5 mm. They have been designed to be easily manufactured and to optimize the fixture of modern multi-point locks.

Glazing:

This series allows the installation of a range of glass from 22-50 mm thickness at the frames and 22-36 mm at the shutters. The glass is fixed by various types of glass beads-squared, rounded or tubular (this last version is particularly suited for shop windows or large elements), with internal and external gaskets. The external tight gaskets are continuous and don't show juncture in the corners.

Possible manufacturing solutions:

One shutter casements opening outside, 1,2,3,4 shutter casements and balcony doors opening inside, tilt windows, turn and tilt, Turn-turn and tilt, tilt and slide doors, mono-block frames.

