

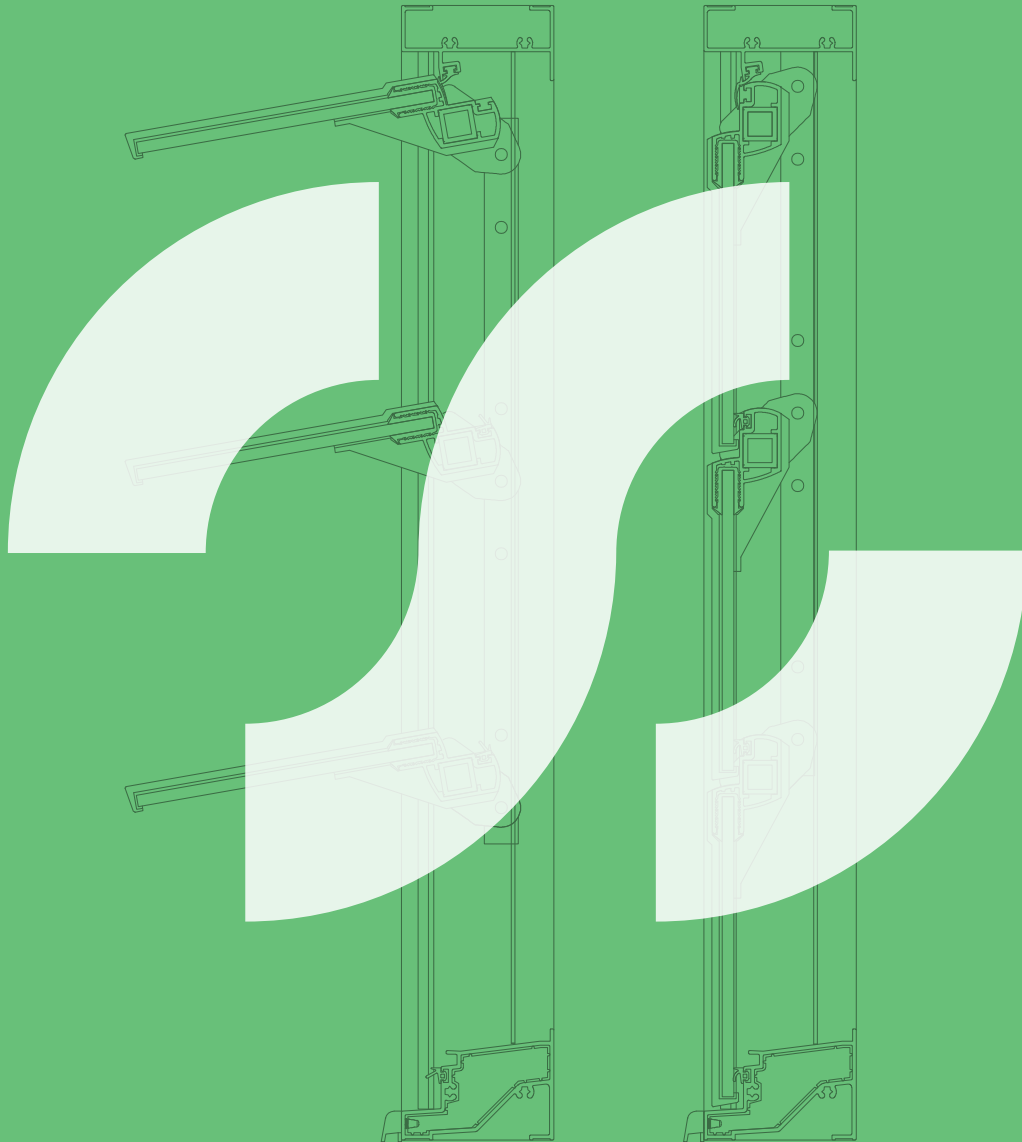
# SJ Thermique

## The Future louvre for thermal efficiency

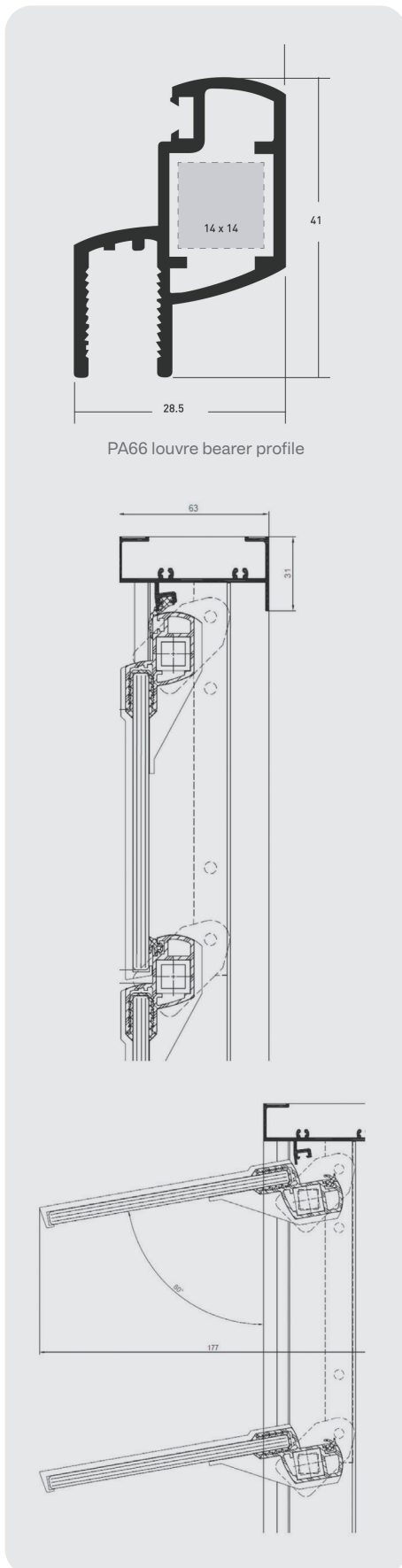
SJ Thermique by Safetyline Jalousie is a cutting edge solution designed to help clients meet their energy efficiency needs. It combines the advantages of high free air and low air-infiltration louvre windows with European thermal break technology.

Featuring a reinforced polyamide louvre profile (a non-metallic, structural material of low thermal conductivity), the transfer of heat and cold across the window is minimised to reduce system U values.

In an era of sustainable design, SJ Thermique allows architects and building designers to achieve performance compliance, improve energy efficiency, and deliver the provision for year round comfort.



# FEATURES



## Spans

- Total width up to 1200mm.

## Frames

- Extremely durable, high quality 63mm module square cut aluminium frame assembled by stainless steel screws;
- The aluminium components are available in three surface finishes - powder coated, high performance powder coated or anodized.

## Louvres

- Louvres are available in glass with nylon end caps;
- Any type of commercially available glass can be used in 6mm, 6.38mm or 6.5mm thickness – including laminate, low e, tinted, frosted, acoustic and performance glass;
- Louvre blade centres are 135mm.

## Louvre Profiles (Louvre Bearers)

- The louvre profile is made of PA66 with 25% glass fibre;
- The surfaces are treated with an innovative system that allows its electrostatic powder coat surface finish;
- Where the look of anodised is preferred, the louvre profile can be powder coated the closest colour match Zeus Lunar Grey Matt.

## Security

- A 14x14mm square section inside the PA66 glass bearer, facilitates the use of an optional 8mm internal security bar to provide the system with greater resistance to impacts and forced entry. – The rod is fitted inside the louvre bearer which does not affect the appearance of the system.

## Seals

- Sealed on all 4 sides with Marine Grade EPDM seals on each horizontal transom and gaskets on the upright sections.

## Screens

- Insect screens are fitted internally within a rebate section of the window frame, and are easily removed for cleaning;
- Available in fibreglass, aluminium or stainless steel mesh.

## Installation

- No assembly required - Supplied as a complete system, framed and glazed;
- Easy and fast installation using screws through the prepunched fixing holes in the upright sections.

## Operation

- Manual operator options include a cam driven lever mechanism or turn handles which open the louvres to 80° and can be fitted on the left or right hand side of the frame;
- High level louvres can be operated with a winding mechanism and detachable map rod;
- Louvres can be motor controlled using a 12V DC or 24V DC Actuator with wall switch and/or hand held remote;
- Motorised louvres can be integrated with climate control, fire and smoke systems.

## Key Performance Ratings

- -  $U_w \leq 3.4 \text{ W/m}^2\text{K}$ , with vacuum insulated glass;
- Meets fall prevention and balustrade requirements;
- - Acoustic 35Rw with 6.5mm Laminate Hush glass.