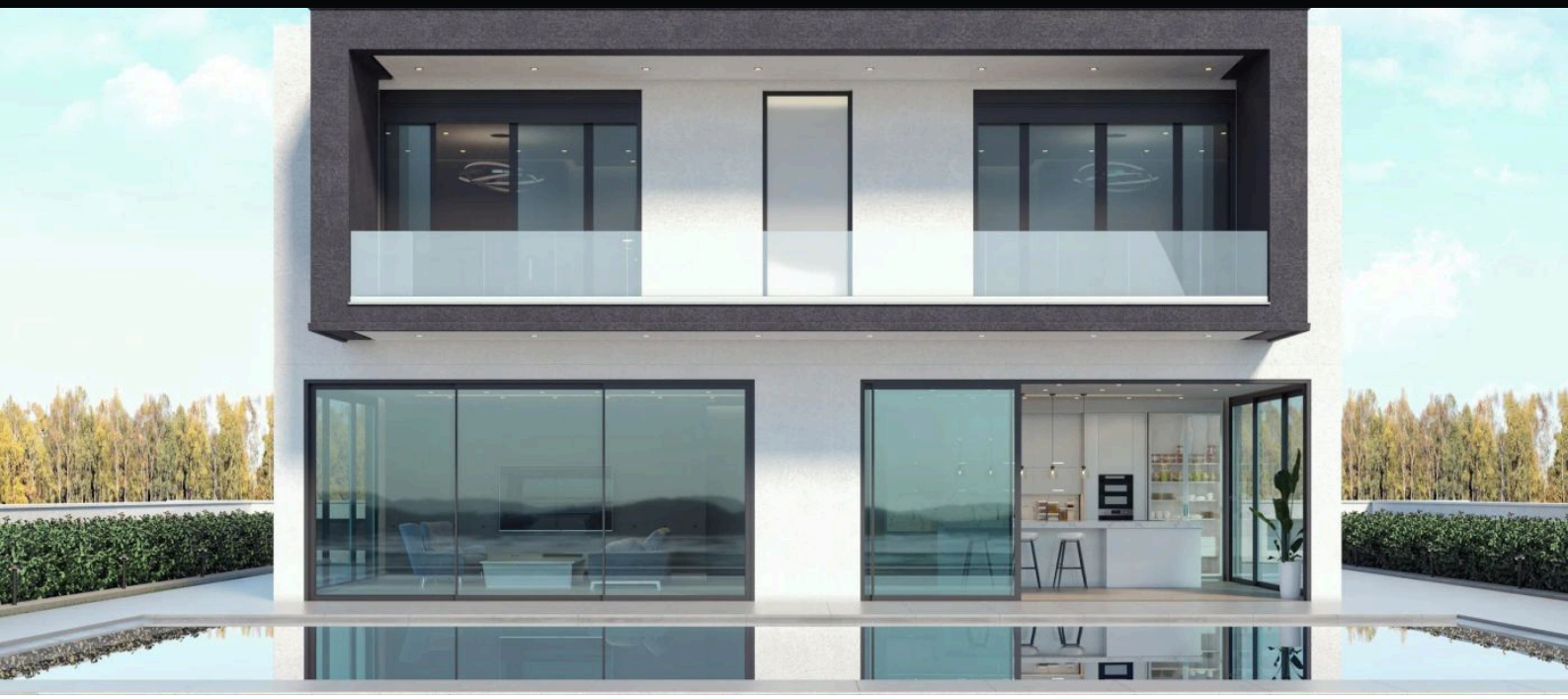
SIVAL

ALUMINIUM SYSTEMS

SV-6800 Thermo

THERMAL BREAK OPENING SYSTEM · SV-6800

The latest thermal break opening system, combining robust design with advanced insulation coefficients and ease of construction and installation.



THE SYSTEM

SV-6800 Thermo is the latest thermal break opening system from SIVAL. The system combines robust design with advanced insulation coefficients and ease of construction and installation.

The system combines modern aesthetics with straight line profiles with the classic approach of the alternative angled edge profile range. Optional profiles for hidden sash offer extra minimal aesthetic in window construction, while the option of multi-locking mechanism provides improved security.

SV-6800 Thermo can be perfectly combined with the sliding systems SV-3400 Slim Slide and SV-4700 Thermo Slide for composite constructions.

TYPOLOGIES

- Entrance doors
- Opening windows (tilting or not)
- Fixed glazing
- Composite typologies

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Technical data per manufacturer documentation, October 2026. Performance depends on configuration and glazing.

Basic characteristics

- Straight line and chamfered design profiles.
- Use of 32mm polyamides.
- Safety profiles using multi-locking mechanism for maximum security.
- Increased thermal and sound insulation.
- Double or triple glass available up to 60mm.
- Capacity to meet all requirements according to KENAK (Greek Regulation for the Energy Efficiency of Buildings).
- Extra insulation around the glass pane.
- Extra insulation between the polyamides.
- Fully recyclable double-extrusion rubber (EPDM–Expanded EPDM) for maximum thermal insulation.
- Can be combined with SV-3400 Slim Slide and SV-4700 Thermo Slide systems.

Technical characteristics

Aluminium alloy	EN AW 6060 T6
Hardness	12 Webster
Minimum coating thickness	75μm
Profile thickness	1,3-2mm
Tolerance according to	EN 12020-02
Dimensions of frame	68 x 53mm
Dimensions of glass sash	76 x 75mm
Glazing thickness	14-60mm
Polyamide width	32mm
Thermal coefficient of frame	Uf = 1,18-1,89 W/m²K
Max. sash width (European Groove)	400-1600mm
Max. sash height (European Groove)	520-2800mm
Max. sash weight (European Groove)	90/130/160/200kg
Max. sash width (ALU16 Groove)	330-1400mm
Max. sash height (ALU16 Groove)	280-2600mm
Max. sash weight (ALU16 Groove)	80/100/150kg

Gallery & technical drawings











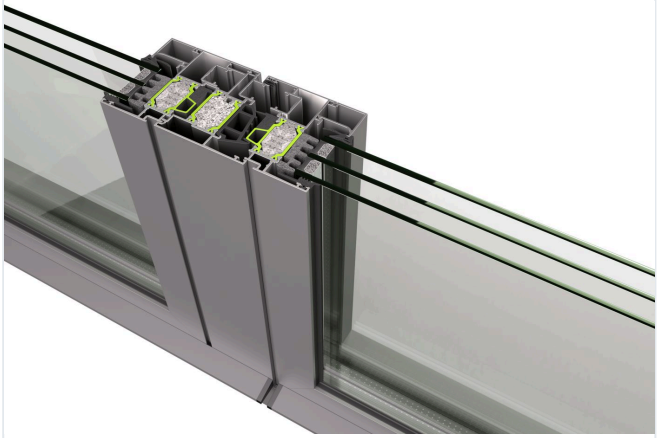


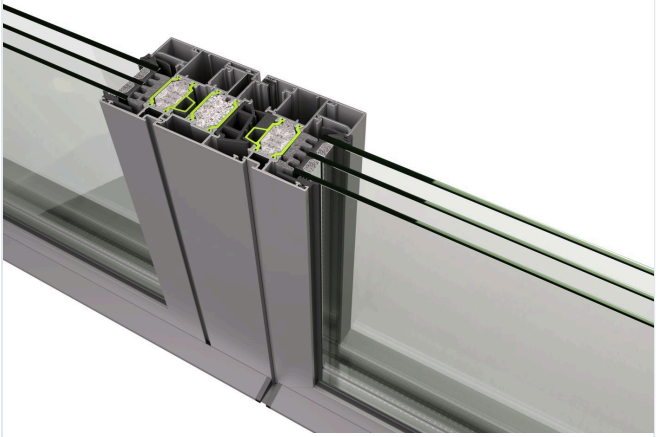
Gallery & technical drawings (continued)













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Gallery & technical drawings (continued)





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