

TERMO 150

PODIZNO-KLIZNA VRATA

LIFT-AND-SLIDE DOORS



FEAL
PERFECTION IN ALUMINIUM



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TERMO 150 PODIZNO-KLIZNA VRATA

Sistem TERMO **150** omogućuje izradu podizno-kliznih vrata s izvrsnim toplinskim i statičkim karakteristikama. Zahvaljujući prekinutom termičkom mostu i naprednoj toplinskoj izolaciji te poliamidnim trakama širine do 46 mm i XPS izolacijskim štapićima unutar profila, sistem osigurava visoku energetska učinkovitost ($U_d \geq 1,0 \text{ W/m}^2\text{K}$) i izvrsnu otpornost na vremenske uvjete i vrhunsku stabilnost.

Kompatibilnost s fasadnim sistemima omogućuje jednostavno uklapanje u suvremenu arhitekturu, dok mogućnost izvedbe skrivenog odvoda vode iz rama doprinosi estetici i funkcionalnosti. Sistem TERMO **150** omogućuje izradu velikih staklenih stijena uz maksimalnu nosivost krila do 330 kg, pružajući visoku sigurnost i trajnost.

TERMO 150 LIFT-AND-SLIDE DOORS

*The TERMO **150** system is meticulously engineered for the production of lift-and-slide doors with exceptional thermal performance and structural integrity. Featuring an advanced thermal break design with polyamide strips up to 46 mm wide and integrated XPS insulation inserts, the system delivers outstanding energy efficiency ($U_d \geq 1.0 \text{ W/m}^2\text{K}$), coupled with superior weather resistance and uncompromising stability.*

*Designed for seamless integration into modern architectural projects, Termo 150 is fully compatible with sophisticated façade systems. The option for a concealed drainage system further enhances its aesthetic and functional excellence. Engineered to accommodate expansive glass surfaces, the TERMO **150** system supports a maximum sash weight of up to 330 kg, ensuring long-term durability and the highest safety standards.*

TERMO 150

ZNAČAJKE SISTEMA:

Sistem TERMO **150** koristi se za izradu dvokrilnih, trokrilnih i četverokrilnih podizno-kliznih vrata. Profili su izvedeni s prekinutim termičkom mostom osnovne ugradbene dubine rama 150 mm (dvostazno) i 233 mm (trostazno), dubine krila 67 mm te vidljive širine rama 26 mm.

Prekid termičkog mosta postiže se poliamidnim trakama 46 mm za ram i 22 mm za krilo (antibimetalni).

Radi poboljšanja toplinskih karakteristika odnosno smanjenja toplinske provodljivosti u komore profila se ugrađuju trake od ekstrudiranog polistirena (XPS-a).

U kombinaciji s troslojnim staklom i odgovarajućim distancerom stakla sistem može postići ukupni koeficijent prolaska topline $U_d = 1 \text{ [W/m}^2\text{K]}$. Brtvljenje između krila i rama izvedeno je EPDM brtvama. Staklo je u krilu učvršćeno unutarnjim letvicama te zabrtvljeno EPDM brtvama s obje strane.

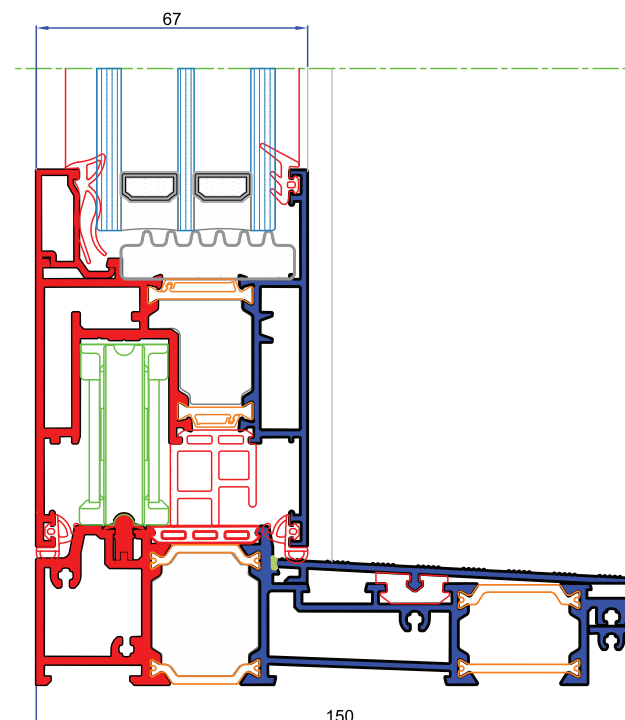
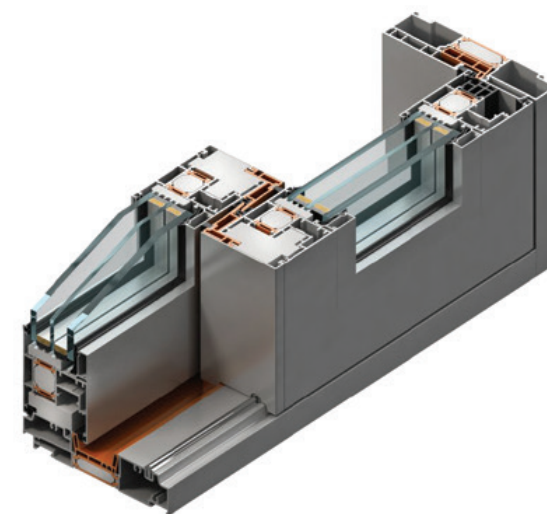
TERMO 150

SYSTEM FEATURES:

*The TERMO **150** system is designed for the construction of high-performance double, triple, and quadruple-leaf lift-and-slide doors. The profiles feature a sophisticated thermal break design, with a standard frame depth of 150 mm for double-track and 233 mm for triple-track configurations, a sash depth of 67 mm, and a slender visible frame width of only 26 mm.*

Thermal break is achieved using 46 mm polyamide strips for the frame and 22 mm strips for the sash (anti-bi-metal). To further enhance energy efficiency and reduce thermal conductivity, profile chambers are fitted with extruded polystyrene (XPS) inserts.

When paired with triple glazing, the system achieves an impressive overall thermal transmittance coefficient of $U_d = 1 \text{ [W/m}^2\text{K]}$. Precision sealing between the sash and frame is ensured by high-grade EPDM gaskets, while the glazing is securely fixed within the sash using internal beads and sealed with dual-sided EPDM gaskets for maximum protection.



TEHNIČKE KARAKTERISTIKE SISTEMA:

TECHNICAL CHARACTERISTICS:

Dubina ispune / Infill depth
Zrakopropusnost / Air permeability
Vodonepropusnost / Water tightness
Otpornost na udar vjetrova / Wind resistance
Zaštita od buke / Sound insulation
Protuprovalnost / Burglar resistance
Proračun U_d koeficijenta / U_d coefficient calculation

do 54 mm
EN 12207 (klasa 4)
EN 12208 (klasa E1050)
EN 12210 (klasa C4/B4)
EN ISO 717-1 (R_w do 43 dB)
EN 1627 (RC2)
DIN EN ISO 10077-2 ($U_d \geq 1 \text{ W/m}^2\text{K}$)