

FEAL

INOWA

Klizna vrata
Sliding doors

FEAL

www.feal.ba



FEAL Široki Brijeg
Trnska cesta 146
88220 Široki Brijeg
Bosna i Hercegovina
Tel: +387 39 704-269
Fax: +387 39 704-358
info@feal.ba

FEAL Hrvatska – Zagreb
Rudeška cesta 3a
10000 Zagreb
Hrvatska
Tel: +385 1 386-62-22
Fax: +385 1 386-62-23
info@feal.hr

FEAL Beograd
Naselje Ekonomije 1,
br. 16A
11080 Zemun
Srbija
Tel: +381 63 690 601
info@feal.rs

FEAL Crna Gora
Nikšićki put bb
81000 Podgorica
Crna Gora
Tel: +382 78 105-544
Fax: +382 78 105-544
fealcg@t-com.me

FEAL Austria
Konrad-Doppelmayr-
Strasse 17, 6922 Wolfurt
Österreich
Tel: +43(0)5574-62230
Fax: +43(0)5574-61989
info@feal.at

FEAL Deutschland
Kemptener Str. 99
88131 Lindau
Deutschland
Tel: +49(0)8382 504 9393
Fax: +49(0)8382 504 9390
info@feal-deutschland.de

INOWA

Klizna vrata
Sliding doors

PO ČEMU JE POSEBAN KLIZNI SISTEM INOWA?

Velike staklene površine i potreba za većom količinom svjetlosti igraju značajnu ulogu u suvremenoj arhitekturi.

Dok su se nekada klizni sistemi najčešće koristili za terase ugošćiteljskih objekata, danas je njihova primjena puno šira. Kao odgovor modernoj arhitekturi i suvremenim trendovima te u skladu sa zahtjevima tržišta uz posebnu brigu o energetske učinkovitosti razvio se novi sistem. Zahvaljujući primjeni visoko tehnoloških materijala te kao plod dugogodišnje suradnje FEAL-a i tvrtke ROTO nastao je Inowa sistem. Za razliku od ostalih kliznih i podizno-kliznih sistema Inowa ima paralelno pomjeranje krila u odnosu na ram +/- 8mm, s unutarnjom i vanjskom brtvom u krilu što omogućuje vrhunske karakteristike u pogledu zrako-propusnosti, vodo-nepropusnosti i otpornosti na opterećenje vjetrom. Inowa predstavlja nezamjenjiv sustav za bolju kvalitetu života.

Inowa sistem kombinira praktičnost te atraktivni dizajn za klizna vrata i prozore od aluminija, težine krila do 200 kg. Investitori i arhitekti osim visoke kvalitete građevinskih elemenata sve više očekuju i privlačan dizajn. Stoga je FEAL Inowa rezultat takvih želja i zahtjeva kupaca. Korištenje ovog kliznog sistema ima višestruke prednosti, a neke od njih su veći prodor prirodnog svjetla, kvaliteta, ušteda energije, jednostavno rukovanje i sigurnost prostora.

WHAT MAKES THE INOWA SYSTEM SPECIAL?

Large glass surfaces and need for a greater amount of light play a significant role in contemporary architecture. In the past, the sliding systems were mostly used for the terraces of bars, restaurants etc., today their application is much wider. In response to modern architecture and modern trends and in accordance with market requirements with special attention to energy efficiency, a new system was developed. Thanks to the application of high technology materials, and as a result of many years of cooperation between Feal and Roto, the Inowa system was created. In contrast to other sliding and lift & slide systems, Inowa has a wing parallel displacement of +/- 8 mm relative to the frame, with internal and external gasket in the wing, which provides superior performance in terms of air permeability, waterproofing and wind resistance. Inowa is an essential system for better quality of life. The Inowa system combines convenience and attractive design of sliding doors and aluminium windows, weighing up to 200 kg. Investors and architects, besides high-quality building elements, are also expecting attractive design. Therefore, Feal Inowa is the result of wishes and demands of customers. The use of this sliding system has several advantages, and some of them are: more natural light, quality, energy savings, easy handling and security.

INOWA

Sistem Inowa koristi se za izradu otklopno-kliznih vrata (Shema A - jedno krilo otklopno klizno i jedno fiksno, Shema C - dva srednja krila otklopno klizna, a bokovi fiksni, Shema K - bokovi otklopno klizni, a sredina fiksna).

Profili su izvedeni s prekinutim toplinskim mostom osnovne ugradbene dubine rama 156 mm, dubina krila 70 mm.

Prekid toplinskog mosta postiže se poliamidnim štapićem (32 mm za ram i 30 mm za krilo). Radi poboljšanja toplinskih karakteristika (smanjenja toplinske provodljivosti) u komore profila se ugrađuje traka od ekstrudiranog polistirena (XPS-a). U kombinaciji s troslojnim staklom i odgovarajućim distancerom stakla, sistem može postići ukupni koeficijent prolaska topline $U_d=1.1$ [W/m²K]. Brtvljenje između krila i rama izvedeno je EPDM brtvama.

The Inowa system is used to make sliding doors (Scheme A - one sash sliding and one fixed field, Scheme C - two middle sashes, and sides fixed, Scheme K - sides sliding, and center field fixed). The profiles were constructed with the thermal break of the basic installation depth of the frame 156 mm, the depth of the sashes 70 mm.

The thermal break is achieved with a polyamide strip (32 mm for the frame and 30 mm for the sash). In order to improve the thermal characteristics (decrease in thermal conductivity), the strip of extruded polystyrene (XPS) is installed in the profile chambers. Combined with a three-pane glass and a adequate glass spacer, the system can achieve a total heat transfer coefficient of $U_d = 1.1$ [W / m²K]. The sealing between the sashes and the frame is made of EPDM gaskets.

Tehničke karakteristike:

Dubina okvira: 156 mm
Dubina krila: 70 mm
Dubina ispune: 18 - 57 mm
 $U_w \geq 1.2$ W/m²K

Technical features:

Frame depth: 156 mm
Sash/wing depth: 70 mm
Infill depth: 18 - 57 mm
 $U_w \geq 1.2$ W/m²K

