

selenit75 selenit75 Selective

NEW ERA OF MODERN WINDOWS

DRAINED
SASH

FRAME
& SASH
WIDTH
75 MM

WALL
THICKNESS
SELENIT SELECTIVE
"A" CLASS
SELENIT
"B" CLASS



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FIRAT



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SELENIT 75 & SELENIT SELECTIVE 75 WINDOW AND DOOR SYSTEM

NEW ERA OF WINDOWS SELENIT & SELENIT SELECTIVE

Selenit Selective Series which has Class "A" Wall Thickness together with Selenit Series, designed at the highest level of aesthetics, performance and durability standards, offer a new window for modern structures. The series were developed for those who were looking for a solution that captures the zeitgeist under the changing life culture and living space concepts. The Selenit and Selenit Selective Series offer a complete system with its 75-millimeter profile width, 6 chambered design, which enable them to achieve the highest levels of performance. The series offer alternative solutions for architectural and decorative needs of your house with their 21 different colour options and aesthetical edges. The series develop different alternatives that are compatible with your furniture, wall color and the outer façade of the buildings.

QUALITY IN HARMONY WITH AESTHETICS AND PERFORMANCE SYSTEM

- All system profiles of the Selenit Series have a width of 75 millimeters.
- Selenit Selective Series has Class A wall thickness; Selenit Series has Class B wall thickness.
- Together with the auxiliary profiles that are integrated into the main profiles, it aims to bring a solution to each architectural and technical detail.
- Triple glazing up to 44 mm thickness can be applied. Triple glazing up to 44 mm thickness can be applied.
- The system is suitable for usage with 13-axis espagnolettes.
- The resistance values of the system enable its usage on high-rise structures.

→ The lamination which comes in 22 different colors and textures provides you a choice for both indoor and outdoor use.

TECHNOLOGY AND DESIGN ARE UNITED IN SELENIT AND SELENIT SELECTIVE WIND LOAD RESISTANCE

- During the design stage of Selenit and Selenit Selective, the moments of inertia of the reinforcement steels to be used within the system and the relevant "wind load resistance" were minded at the highest level.
- The Selenit Selective Series which has Class A wall thickness, offers perfect solutions for providing resistance in structures with high wind load.
- The Selenit and Selenit Selective offer new solutions that can be utilized safely to provide coverage for high-rise structures and wide spaces.
- The box profiles in the system can easily meet the ideal resistance values required for covering wide spaces in respect to architectural design.
- The high endurance values of the Selenit and Selenit Selective passed the (3.000 Pa 245 km/h) safety test successfully and were categorized in class C3 regarding the wind load resistance.

FOR THOSE WHO SEEK A SOLUTION ABOVE STANDARD IN NEW GENERATION STRUCTURES WATER AND AIR IMPERMEABILITY

- The profiles were designed with a slope and appropriate for drainage channels with the aim of discharging the rainwater that may leak into the system.
- The system did not let any water inside and proved its high quality during the tests carried out with 600 Pa (110 km/h) wind load and 4 liters of rainwater per minute.



French Frame Profile

Aluminium Sill System

Dutch Frame Profile

MORE COMFORT WITH OUTSTANDING "HEAT AND SOUND INSULATION" HEAT INSULATION

- In accordance with the standard TS EN ISO 10077-2, the Selenit System achieved the values $U_f: 1,02 \text{ W/m}^2 \text{ }^\circ\text{K}$ - $U_w: 0,94 \text{ W/m}^2 \text{ }^\circ\text{K}$ according to the results of the test with $U_g: 0,6 \text{ W/m}^2 \text{ }^\circ\text{K}$ glass of 1,23 m x 1,43 m dimensions.
- The main profiles of the Selenit and Selenit Selective Series have 6 chambers and the chambers were designed as wide as possible. This enables them to minimize the coefficient of thermal conductivity.
- The profile designs of the Selenit and Selenit Selective Series were made as for the values related to the coefficient of thermal conductivity to be at minimum levels.

SOUND INSULATION

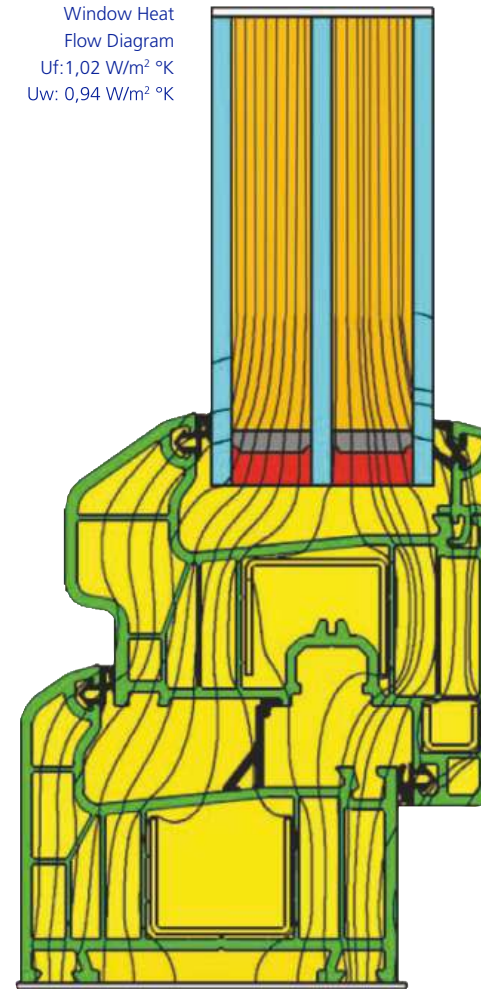
- The high sound insulation of the Selenit and Selenit Selective Series provide the noiseless environment in the best way, which is necessary for life quality.
- The glasses with acoustic properties which will be used with the system makes it possible to reach sound insulation levels as high as 43 dB.
- The Selenit Series ensures normal noise levels even in environments such as airports, railroads, etc. where sound levels are very high.

SELENIT SILL SYSTEM

The Selenit Sill System is designed to eliminate the height created by the lower frame of the Selenit door system, and provide an aesthetic appearance. By means of the aluminum sill profile, inner plastic sill profile and the sill bead utilized in this system, the sill system's weakness in heat insulation is eliminated. Moreover, aesthetic integrity is also maintained while rapid discharge of water and rain that can penetrate from the outside is ensured by means of the aluminum dripstone profile mounted on the door.



Window Heat Flow Diagram
 $U_f: 1,02 \text{ W/m}^2 \text{ }^\circ\text{K}$
 $U_w: 0,94 \text{ W/m}^2 \text{ }^\circ\text{K}$



COLOUR AND DESIGN CHART

PROFILE WIDTH
75 mm

WALL THICKNESS
SELENIT SELECTIVE
"A" CLASS
SELENIT "B" CLASS

NUMBER OF SEALS
2

NUMBER OF CHAMBERS
6 pcs

SOUND INSULATION
43 db

AIR PERMEABILITY
CLASS 4

WATER IMPERMEABILITY
CLASS 9A

PROFILE HEAT INSULATION
1,02 $\text{W/m}^2 \text{ }^\circ\text{K}$

WINDOW HEAT INSULATION
0,94 $\text{W/m}^2 \text{ }^\circ\text{K}$

WIND LOAD RESISTANCE CLASS
CLASS C3

GLASS THICKNESS
20, 24, 32, 42, 44 MM

The calculations were made by using a glass unit with a thermal conductivity coefficient of $0,6 \text{ W/m}^2 \text{ }^\circ\text{K}$ for a window with dimensions of 1,23x1,43 m in accordance with the standard TS EN ISO 10077-2.



SELENIT SERIES PROFILES

