



selenit75

P R I V I A

NEW ERA OF MODERN WINDOWS



Türkoba Mah. Fırat Plastik Cad. 23
Büyükdere 34537 İstanbul Turkey

T 0090 (212) 866 41 41 | 866 42 42
444 9 378 (FRT) | 0 800 219 80 20 **MÜŞTERİ DANIŞMA HATTI**
F 0090 (212) 859 04 00 | 859 05 00
E firat@firat.com | info@firat.com
info@firatpen.com.tr | musterihizmetleri@firat.com

www.firat.com | www.firatpen.com.tr

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FIRAT



A GRADE
WALL
THICKNESS

FIRATPEN



SELENIT PRIVIA 75 WINDOW AND DOOR SYSTEM

NEW ERA OF MODERN WINDOWS SELENIT PRIVIA 75

The Selenit Series, designed at the highest level of aesthetics, performance and durability standards, offers a new window for modern structures. The series was developed for those who were looking for a solution that captures the zeitgeist under the changing life culture and living space concepts. The Selenit Series offers a complete system with its 75-millimeter profile width, 6 chambered design and 3rd seal option, which enable it to achieve the highest levels of performance. It offers alternative solutions for architectural and decorative needs of your house with its 21 different colour choices and aesthetical edges.

QUALITY IN HARMONY WITH AESTHETICS AND PERFORMANCE – THE PERIOD OF SELENIT PRIVIA 75 BEGINS SYSTEM

- All system profiles of the Selenit Series have a width of 75 millimeters.
- Together with the detailed profiles that are integrated in main profiles, they are able bring a solution to each architectural and technical detail.
- Window molding profiles are suitable for usage with triple-glass windows up to 44 millimeters.
- 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 type that comes in 21 different colors and textures provides you with choices for both indoor and outdoor use.

EXPERIENCE, TECHNOLOGY AND DESIGN UNITE IN SELENIT PRIVIA 75 WIND LOAD RESISTANCE

- During design stage of Selenit 75, it was taken care for the moments of inertia belonging to the support sheets to be used within the system and the “wind load resistance” depending on these was at the highest level.
- The series offers new solutions that can be utilized safely to provide coverage for high-rise structures and wide spaces.
- The grillage profiles in the system can easily meet the ideal resistance values required for coverage of wide spaces in respect to architectural design.
- The high endurance values of the Selenit system passed the 3.000 Pa (245 km/h) safety test successfully and was categorized in class C3 in regard to wind load resistance.

FOR THOSE WHO SEEK A DIFFERENT SOLUTION FOR NEW GENERATION STRUCTURES WATER AND AIR IMPERMEABILITY

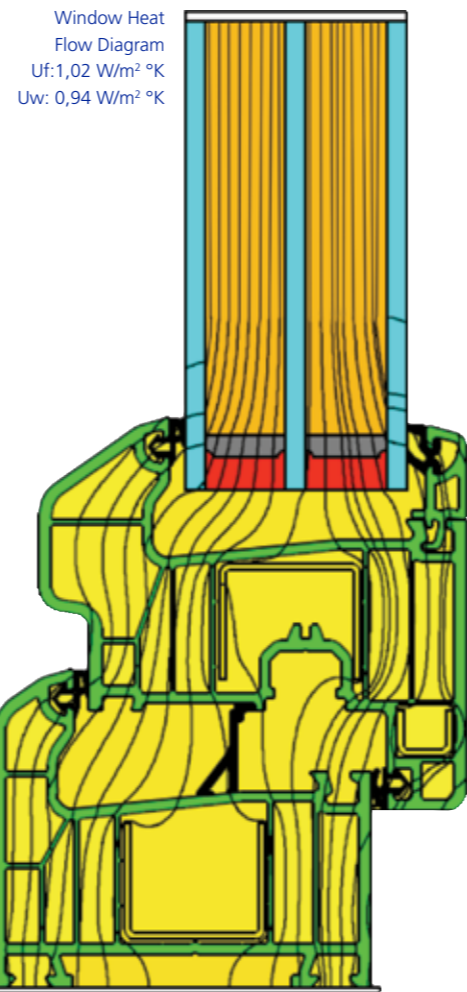
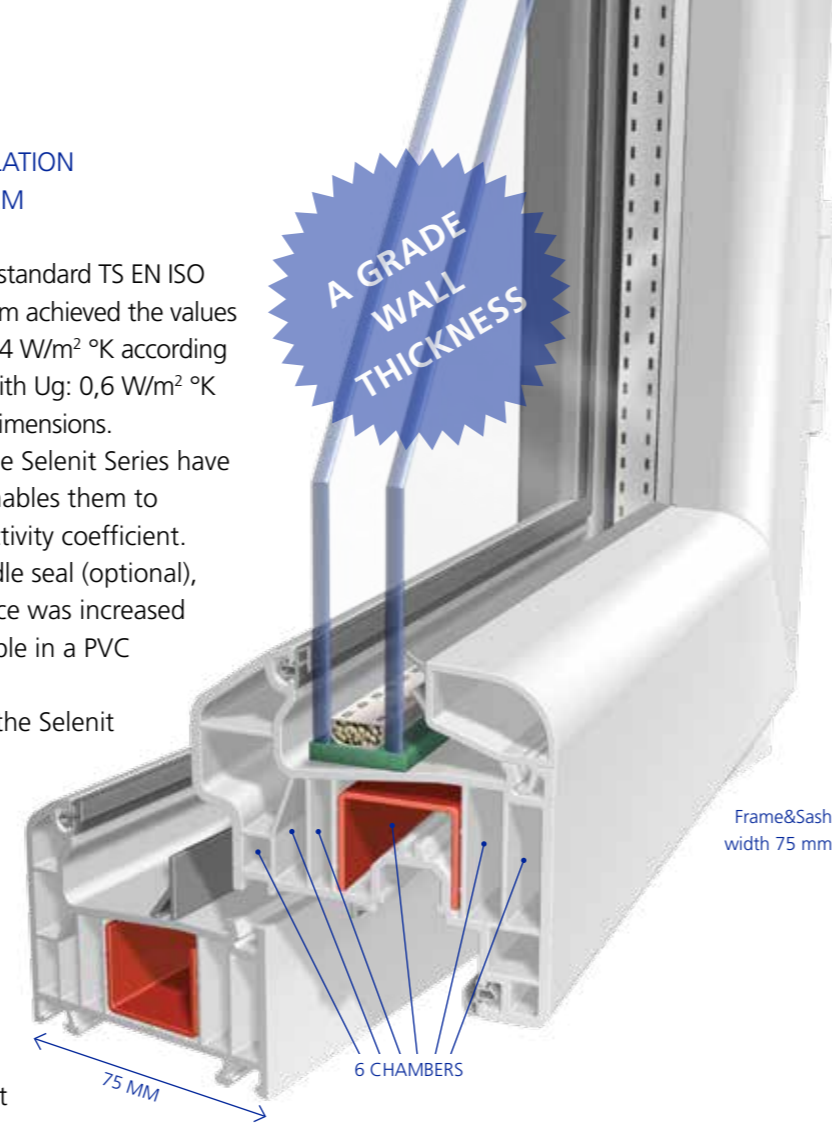
- In order to minimize air and water permeability, Selenit Series was designed with a triple seal system (optional).
- Prevention of air passage from outdoors to indoors, which is necessary for energy saving, was improved with a middle seal in addition to inner and outer gaskets.
- The profiles were designed as to discharge rainwater to outdoors by formation of inclines and drainage channels on them.
- The system did not leak any water inside and proved its high quality while under tests carried out with 600 Pa (110 km/h) wind load and 4 liters of rainwater per minute.

HEAT AND SOUND INSULATION IS NO LONGER A PROBLEM HEAT INSULATION

- In accordance with the standard TS EN ISO 10077-2, the Selenit System achieved the values $U_f: 1,02 \text{ W/m}^2 \text{ °K}$ - $U_w: 0,94 \text{ W/m}^2 \text{ °K}$ according to the results of the test with Ug: $0,6 \text{ W/m}^2 \text{ °K}$ glass of 1,23 m x 1,43 m dimensions.
- The main profiles of the Selenit Series have 6 wide chambers. This enables them to minimize thermal conductivity coefficient.
- Owing to the 3rd middle seal (optional), the insulation performance was increased to the highest level possible in a PVC window system.
- The profile designs of the Selenit Series were made as for the thermal conductivity coefficient values to be at minimum levels.

SOUND INSULATION

- The sound insulation properties of the Selenit Series provide the noiseless environment that is necessary for life quality in the best way.
- It is possible to achieve sound insulation up to 43 dB with Selenit window systems.
- The Selenit Series ensures normal noise levels even in environments such as airports, railroads, etc. where sound levels are very high.
- 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.



Selenit Privia 75 window with a mono-block roller blind and an adapter



Selenit Privia 75 window with an adapter

COLOUR AND DESIGN CHART

WALL THICKNESS A GRADE

PROFILE WIDTH 75 mm

CELL NUMBER 6 pcs

AIR PERMEABILITY CLASS 4

WATER IMPERMEABILITY CLASS 9A

WIND LOAD RESISTANCE CLASS C3

SOUND INSULATION 43 db

PROFILE HEAT INSULATION 1,02 W/m² °K

WINDOW HEAT INSULATION 0,94 W/m² °K

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



| | | |
|---------------------|------------------------|------------------------|
| WHITE | CREAM WHITE | MANOGANY |
| EICHE RUSTICAL | DARK OAK | DARK GREEN |
| STEEL BLUE | GOLDEN OAK | OAK |
| WALNUT | CEDAR | ANTEAK |
| WINCHESTER | MACORE | ANTHRACITE |
| ASH | TROMPET | GREY |
| SILVER BRUSH EFFECT | SILVER D (SILVER GREY) | ALUMINIUM BRUSH EFFECT |

SELENIT PRIVIA SERIES PROFILES

