

GARNET SELECTIVE STRONG & GARNET STRONG WINDOW AND DOOR SYSTEM

NEW ERA IN SERIES OF 70MM WIDTH **GARNET SELECTIVE STRONG & GARNET STRONG**

Today's city culture and structural technologies are shaped at totally new dimensions. Cities are full of differentiating silhouettes caused by this change. New living areas make aesthetics, isolation, comfort, and efficiency principles to come forward. Following closely this change, we fulfil the need of the differentiating construction technologies with a new series. Garnet Selective Strong with Class A wall thickness and Garnet Strong, both of which interpret the 70 mm series with triple sealing system and a different aesthetics and isolation perspective, are the new choice of the modern structures.

ABOVE-STANDARD SOLUTIONS WITH 70 MM SERIES

Garnet Selective Strong and Garnet Strong Series, which were designed to bring new dimension to the quality and aesthetical understanding of the window standard, increase the comfort in your living areas with the excellent heat and sound insulation. With their oval lines, Garnet Selective Strong of Class A wall thickness and Garnet Strong both of whose all profiles have got 70 mm width, 5 chambered design \rightarrow Garnet system is designed according to 3.000 Pa and triple sealing system are the new choice of the (245 km/h) safety test on wind load and 600 Pa architecture that seeks a different aesthetics. Garnet (110 km/h) water impermeability strength test, and Selective Strong and Garnet Strong Series fulfil the expectations of the new trends with their 21 different color options and start a new era in the 70mm series

of windows providing excellent heat and sound insulation in the modern structures. The series develop different alternatives that are compatible with your furniture and wall color and the outer facade of the buildings

→ Garnet Selective Strong and Garnet Strong systems, which provide esthetical integrity thanks to the Oval Drained Sash profile, have two different drained sash profiles options. Oval drained sash profile has the same ovality with the frame; and another drained sash profile is with sharper edges, these are also offered with Garnet system, depending on the customers demand.

- → All main profiles of Garnet Selective Strong and Garnet Strong series have a width of 70 mm. → Garnet Selective Strong has Class A wall thickness and triple sealing system; Garnet Strong has Class B wall thickness and triple sealing system.
- → While the system has 4 different types of oval shaped glazing beads which increase the interior width, it also offers 4 different decorative glazing bead profile alternatives.
- → It can solve all the architectural details thanks to its detailed and auxiliary profiles designed compatible with its main profiles. → Glass application until 40 mm can be done
- thanks to the system's glazing bead profiles. → With its 21 different laminated color applications, Garnet and Garnet Selective series present options that will meet decorative expectations of your house and add value to it.

WIND LOAD RESISTANCE

it has successfully passed these tests. → The Garnet Selective Strong Series which has Class A wall thickness offers perfect solutions to provide resistance in high wind load structures. → While developing Garnet system,

the maximum wind load values to

which the buildings can be exposed, were taken into consideration; the structure of the reinforcement steel and their locations inside the profiles were designed in the most effective way.

→ The system whose detailed and box profiles provide solutions to meet the architectural needs, easily ensures the closure of the wide openings and necessary resistance values.

WATER AND AIR IMPERMEABILITY

→ Garnet Selective Strong and Garnet Strong Series were designed with triple sealing systems to provide water and air impermeability at maximum level. → 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 seals. → Thanks to its water drainage angle and sets to discharge the rainwater in a faster and easier way, Garnet system provides high resistance to water even at high wind loads.

→ The system did not let any water inside and proved its high quality under the tests carried out with 600 Pa (110 km/h) wind load and 4 liters of rainwater per minute.

HEAT INSULATION

→ While the profile designs of the Garnet Selective Strong and Garnet Strong Series were made, the value of the coefficient of thermal conductivity was intended to be at minimum levels, which is the most important part of energy saving.

- → Profile width, chamber numbers and chamber width of the system were created to keep the heat and sound insulation at the maximum levels. → With the 3rd middle seal system,
- the best possible values in a PVC window system have been reached. → All profiles of Garnet system have a structure of 5 chambers and since
- the chamber width is large, low level thermal conductivity coefficient values are provided. → Compatible with TS EN ISO 10077-2 standards, Ug: 0.7 W/m2K, Uw: 1,05 W/m2K, and Uf: 1.2 W/ m2K values were accomplished with the windows system which has a size of 1,23m x 1,43m.

SOUND INSULATION

→ One of the most important criteria in window systems is the sound insulation. High sound levels about 70dB in the areas close to airports, railways or crowded highways are decreased to values under 30 dB with Garnet Selective Strong and Garnet Strong systems, at which a child can sleep easily.

Strong and Garnet Strong series. Therefore, it is possible to create a sound environment at a high quality life level even at the loudest places.

COLOUR AND DESIGN CHART

PROFILE WIDTH

WALL THICKNESS

GARNET SELECTIVE

STRONG "A" CLASS

GARNET STRONG

"B" CLASS

INSULATION

by using a glass unit with a

of 0.7 W/m2 oK for a window with dimensions of 1,23x1,43 m

thermal conductivity coefficient

in accordance with the standard

||_|peneskop

TS EN ISO 10077-2.

70 mm







EICHE RUSTICAL



MAHOGANY

DARK GREEN

ANTHRACITE



GARNET STRONG SERIES PROFILES









35 MM LINING FRAME PROFILE

LINING FRAME PROFILE





FRAME PROFILE





DRAINED SASH PROFILI



OUTSIDE OPENING SASH PROFILI

OUTSIDE OPENING DOOR PROFILE







MULLION PROFILE









SASH ADAPTING PROFILE

SINGLE GLAZING BEAD PROFILE (5 MM)



DOUBLE GLAZING BEAD PROFILE (20 MM)



TRIPLE GLAZING BEAD PROFILE (32 MM)

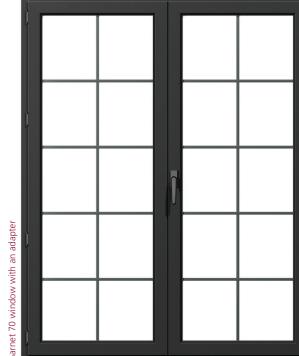




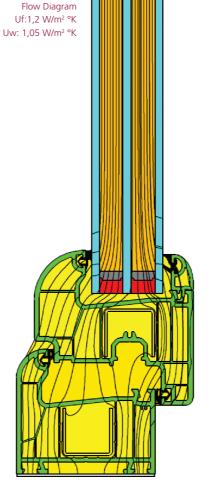
DOUBLE GLAZING BEAD PROFILE (24 MM)

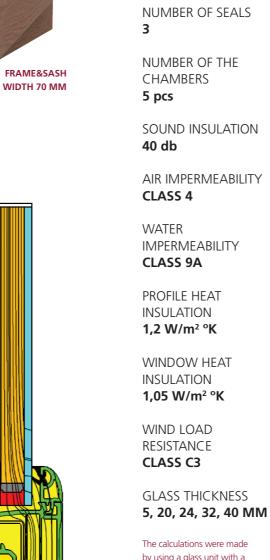






→ Sound insulation up to 40 dB value can be provided with Garnet Selective





DARK OAK WALNUT







ANTEAK





























MACORE