



WAS

wood

Aluminium

Steel



WOODEN PRODUCTS



## BRANDS

- AHŞAPPEN      Wooden window & door , shutter,  
winter garden, wooden structure, wooden cladding

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- MARVIN      American Wooden window and door systems

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## IN THIS CATALOG ...

As WAS system, we offer many products that can be applied on your buildings. In the most creative and professional way; wood, steel or aluminum, whatever the material, you will find a solution with us.

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All the images used in our catalog belong to the brands we are representatives of. All images in Project examples it belongs to the projects carried out by our company. It cannot be used or copied in any way without permission.

## ABOUT US

WAS was born in 2015 as an idea. The main idea of this partnership, which was carried out by Arc. Güney Akgül and Eng. Gökalp Çayhan; to create a company that could see steel, wood and aluminum materials as a whole in special projects and offer solutions under a structure as design and application.

In 2019 they combined their more than 30 years of experience gained in their own companies in steel product by taking the representation of SECCO steel window and door products, an Italian design classic. Our company invested in fully automated machinery from Italy and carried automation software systems from Germany into the country, taking into account the quality of production in the European norm.

The partners, who have worked for 30 years without sacrificing quality and aesthetics, aim to further their vast experience and customer experience in this company.

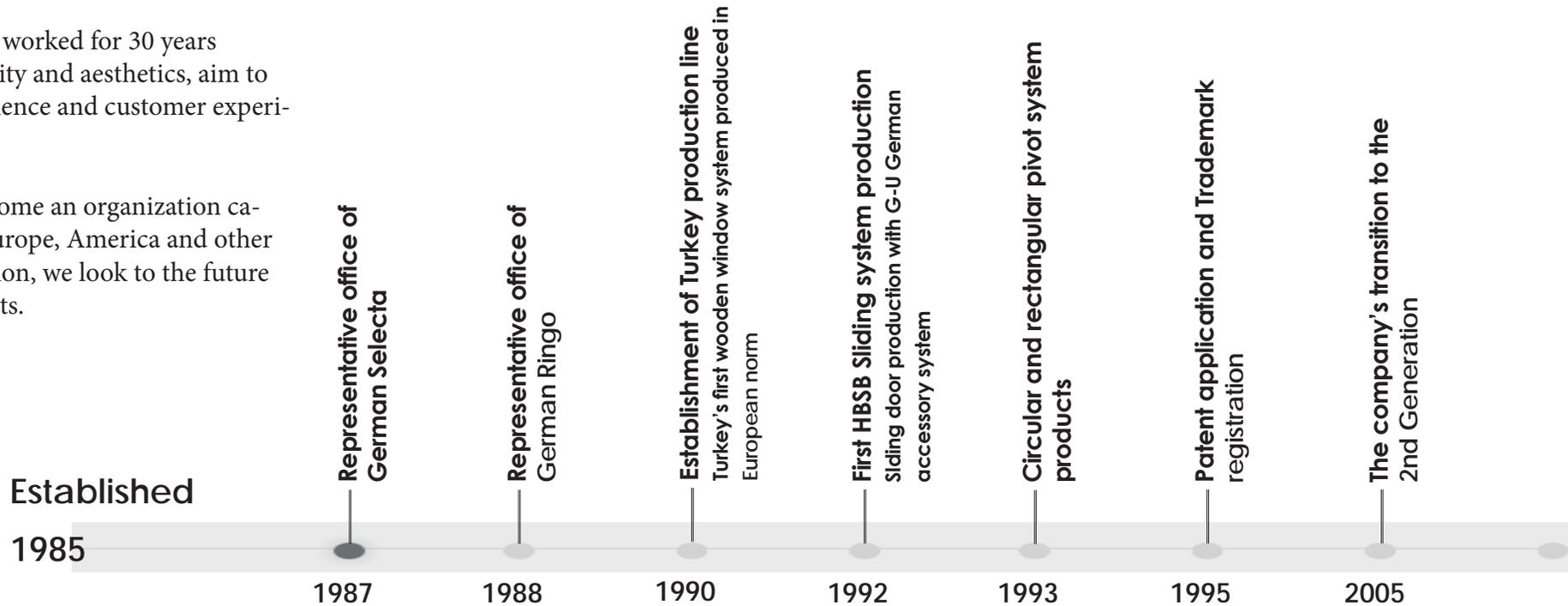
Our main goal is to become an organization capable of exporting to Europe, America and other countries. With this vision, we look to the future and plan our investments.

- 1982 - System research in Germany
- 1985 - Foundation of the company
- 1986 - 1990 Production of first products
- 1990 - 2005 System localization studies
- Patent application
- Corner join system patent
- Ahşappen Trademark registration certificate
- 2. Generation Management
- 2005 - Marvin Distributorship agreement
- 2007 - Azerbaijan dealership opening
- 2010 - Cnc controlled profiler investment
- 2011 - Airless paint disspassing system investment
- 2016 - 5 Axis CNC controlled production line investment
- 2108 - WAS System Group İntegration for Export



GÖKALP ÇAYHAN

Engineer





GÜNEY AKGÜL

One of the important things for us is to add value to every project we produce. Therefore, we are careful to choose the projects we will work with.

Our priority is to do our job in the best way and in the highest quality. This situation brings with it customer satisfaction. Every new customer who comes wants to work with us with the reference of our old customer.

We work every detail on each of our projects. We spend a lot of time with the project owners. We create a work of art and environments where our customer will live happily.

Project Coordinator  
MSc Architect



MÜGE AKGÜL

Every detail in the process should be perfect. For this, we check each stage of the production phase.

We think of each of our projects as our own home and approach it with this sensitivity. This also returns to us as continuous customer satisfaction.

Factory Manager  
Architect



GÖKALP KÜÇÜKKIRBEYLİ

The first thing we thought about when investing in the most advanced CNC Wood Working Center in Turkey was to make everything we dreamed of a reality.

We wanted to get go beyond limits. We aimed to get closer to excellent quality.

CNC Operations Department Supervisor  
Mechanical Engineer

Representative office of  
Marvin

Airless paint  
investment

CNC investment

5 Axis CNC  
investment

Participate  
WAS group

2007

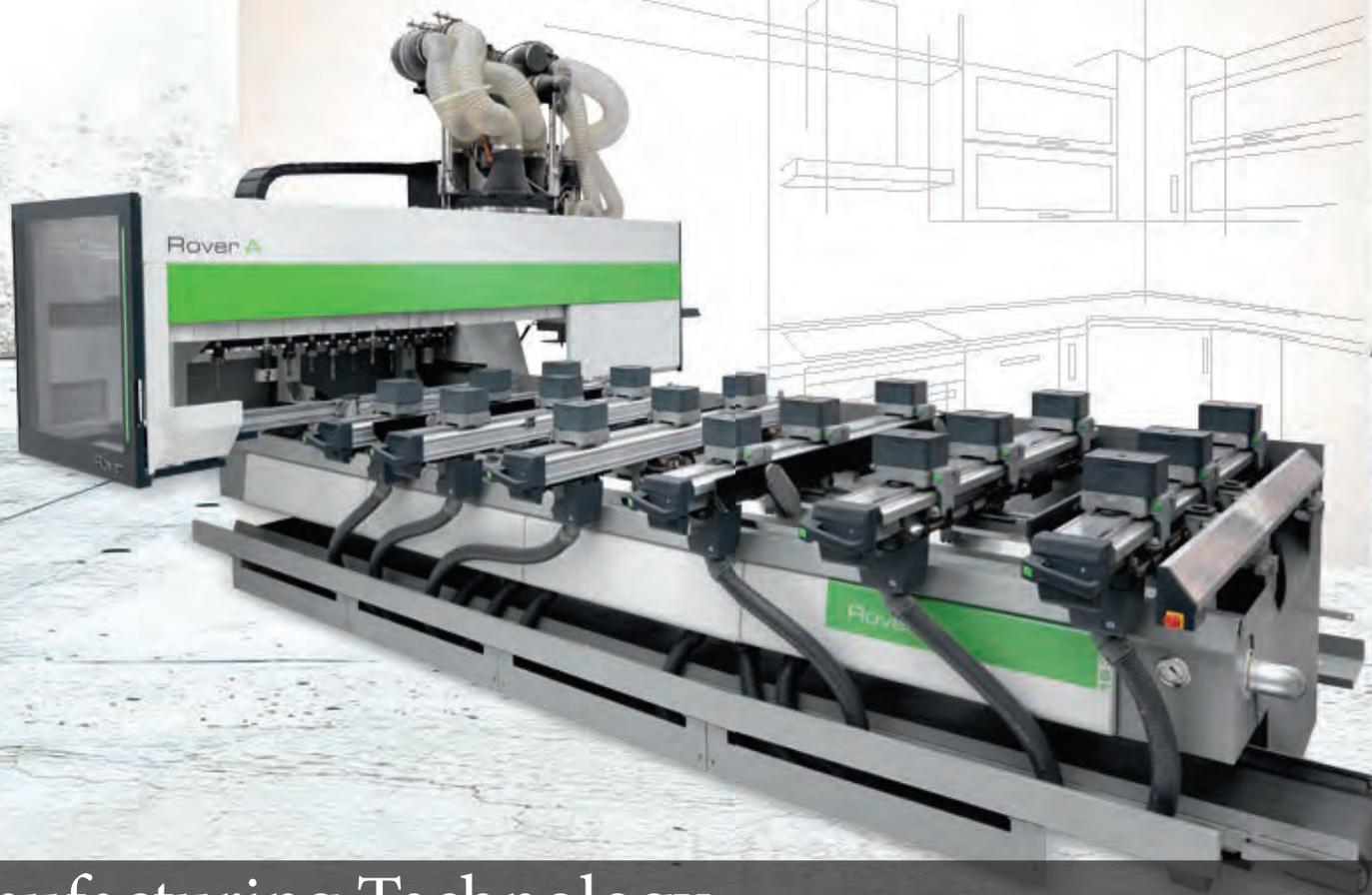
2008

2010

2016

2016





## 6 Manufacturing Technology

## JOURNEY INTO THE FUTURE

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We are taking a step into the future with our new machine investments. With our agreement with Biesse, the world's best woodworking machinery manufacturer, we have provided Turkey with a wood production line with an automatic controlled table with dimensions of 160 x 430 cm that can work 5 axes for the first time.

We can produce many products such as wooden windows, arched windows, solid entrance door, solid interior door, shaped facade decorations, pillars, shaped sills with 1/1000 precision.

What is always important to us is the quality of product and workmanship. With this machine investment, we maximize our quality.

We know no boundaries. We're going to go to 5th dimension above 4th dimension. To produce, we only draw and imagine.

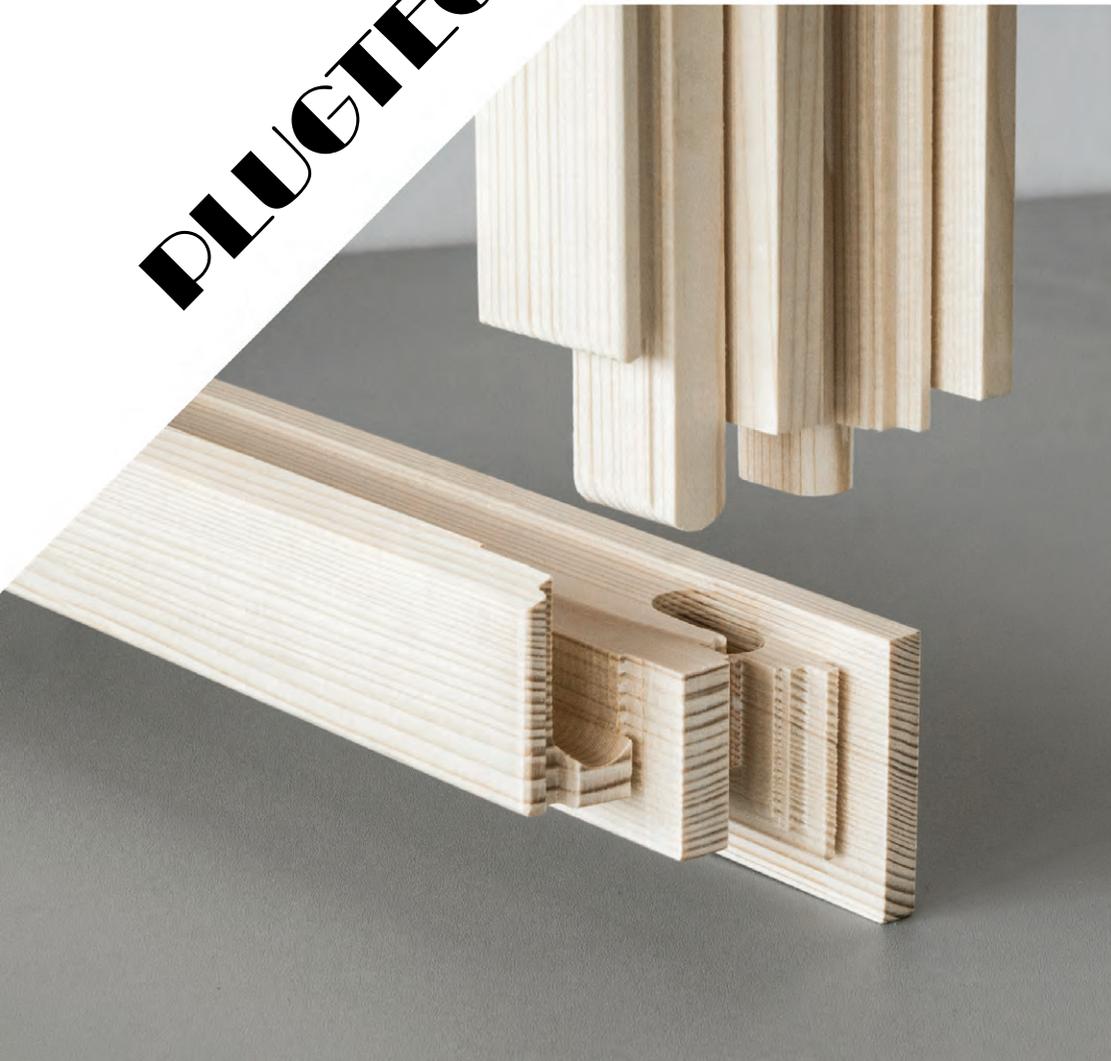
We'll be able to sign for much more complex projects. The important thing for us is not to do the easy thing, but to achieve the hard one.

Together with our customers, we always aim further.

MSc. Arc. Güney AKGÜL



**PLUGTECH**



### TREMENDOUS STRENGTH, SUPERIOR TECHNOLOGY

Plugtech closed morsa switching system is a state-of-the-art window joint system developed in Europe. The products in this system can only be produced with state-of-the-art CNC machines. This very complex passing system is dizayned with high teknoogy.

It also has between 20-25 % more strength than other joint systems. This ensures that we can produce larger window modules without problems.

In the closed morsa system, the joint places are invisible, at the same time the glue remains in a closed chamber, which is not open to weather conditions. It has a more aesthetic appearance and is more robust.

Excellent workmanship quality is captured with the parts in cnc machines producing with 1/1000 precision.

## CUSTOMER SATISFACTION

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What makes us different from the companies in the sector is that we provide a customer-specific one-on-one service and provide architectural solution support with professional consultancy on our subject.

For this, we first understand what kind of house our customer wants. Then we continue with a detailed selection of materials from the color of the polish to the opaqueness. We sample all of these choices.

It is our customers who are satisfied with our biggest advertising service for us. Our customer's re-preference rate is over 90%.



## ARCHITECTURE SUPPORT

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It is very important for us that our projects are completed smoothly. For this, we are aware that a serious architectural detail study must be carried out before production.

We solve the application details of many of our projects ourselves and reach smooth results with our customers in this way.

We have A serious CAD drawing infrastructure. We can place more than 90% of our products in a CAD environment.

## SERVICE

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We are aware of the importance of providing reliable service for every product we sell. For more than 15 years, we have been serving our service with our own employees.

In the additional products we supply from outside, the most important issue we pay attention to in the companies we receive services from is that it provides smooth service. For this reason, all of our solution partners are companies that we work with for a long time.

We are served locally on most pieces of domestic and imported products. We are able to offer economical or fast options to our customers in parts that require supply and specially produced products that cannot be kept in stock.





## TILT AND TURN WINDOW SYSTEM

It is an inward opening window system that is generally used in every space. It can be produced as a single and double opening.

- Glue laminated profile system
- Double Schlegel Aquastop teflon gasket system
- 68&78 mm European Norm profile system
- Double glazing gasket for loud sound insulation
- Monoblok inner glazing bead with invisible nail fixing
- Aluminium water drip profile
- Up to 28 mm glass thickness
- 30 mm blind system compatibility
- More robust locking with 13 mm accessory axing system
- More aesthetic appearance and sash carrying capacity up to 150 kg with hidden hinge system
- Eurogroove accessories channel system 13/24

Max width 120 cm

Max height 300 cm

Max area 3 m<sup>2</sup>

### OPTIONS

Hidden hinge

High burglar safety

Hidden alarm system

Hidden motorized opening

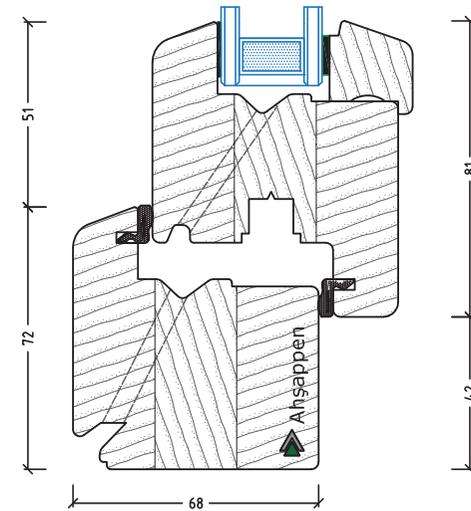
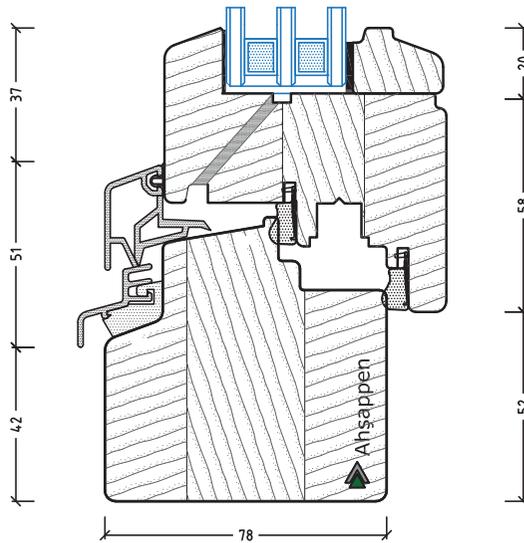
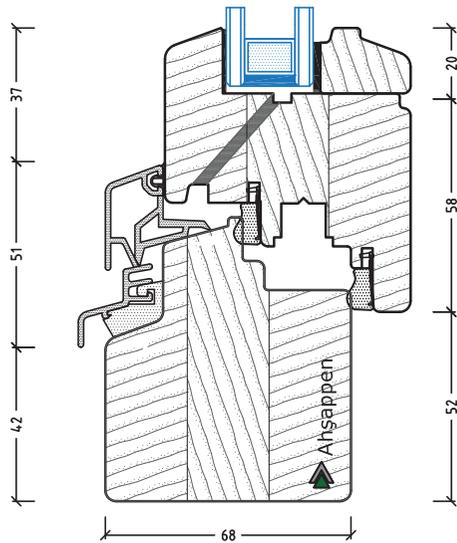
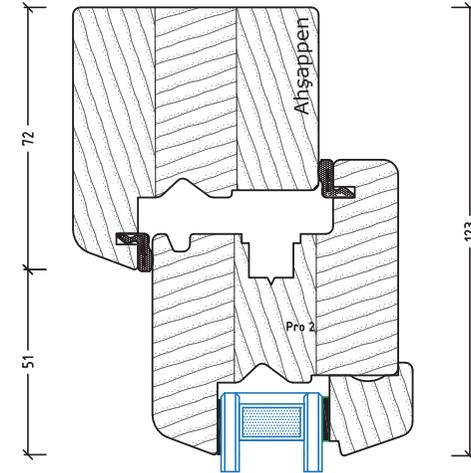
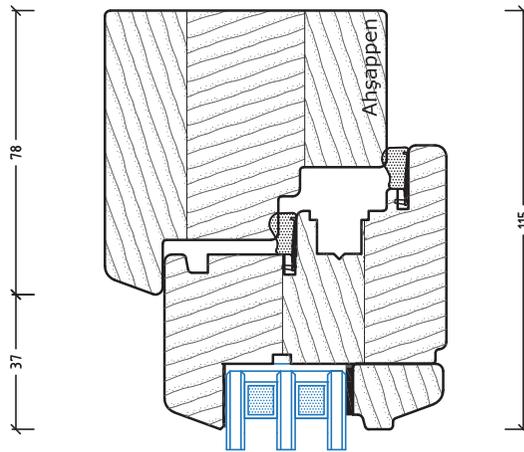
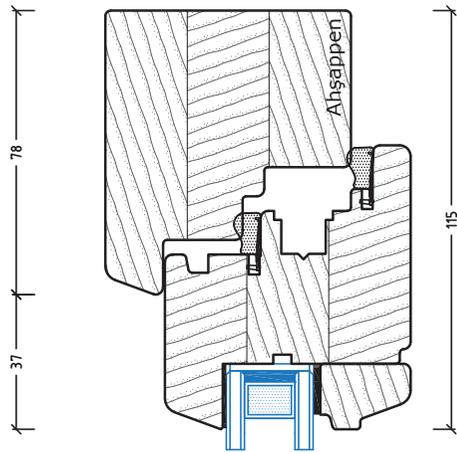
Triple glass system

Laminated glass or Acoustic glass

\*Guaranteed size 90w x 240h



We respond to every request with different Profile series



68 mm All wood detail                      78 mm All wood detail                      68 mm Ultraes detail

## PROFILE SERIES

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### 68 mm ALL WOOD SERIES

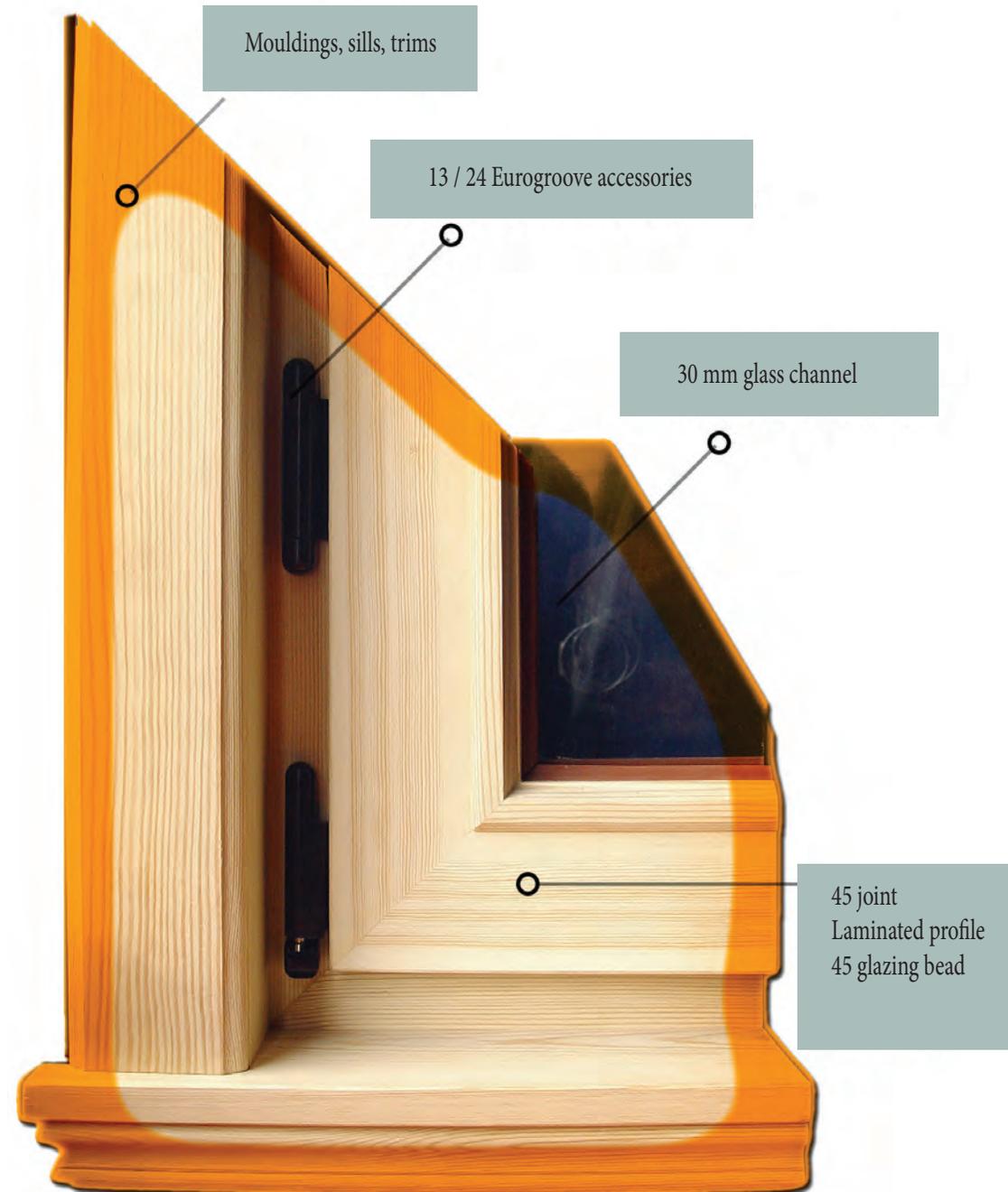
- Plugtech invisible CNC joint system
- Double rebate
- Double Schlegel Aquastop teflon gasket system
- Aluminum or wooden drip system
- 68 mm Laminated profile
- Double glazing gasket for loud sound insulation
- Monoblok inner glazing bead with invisible nail fixing
- Up to 28 mm glass thickness
- More aesthetic appearance and sash carrying capacity up to 150 kg with hidden hinge system
- Eurogroove accessories channel system 13
- Aluminum water drip profile

### 78 mm ALL WOOD SERIES

- 78 mm Laminated profile
- Up to 38 mm insulated glass thickness
- For superior sound and thermal insulation performance
- Passive home and Leed certificate candidate for project

### 68 mm 45 Joint ULTRAES SERIES

- Patented special 45 joint system
- 45 corner joint system that offers an aesthetic appearance without fuga
- Hidden water drip system



CLASSIC



RUSTIC



## CLASSIC & RUSTIC PROFILE OPTIONS

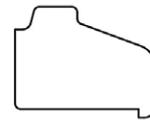
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With the detail option we offer to adapt to the unique line of each project, you can capture a modern image or a rustic image in your project.

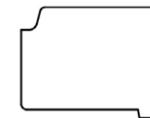
## GALZING BEAD OPTIONS

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With 3 different glazing bead options, you can give your project one last elegant touch. Thus, the product reflects you exactly.



CLASSIC



MODERN



RUSTIC



## OPTIONS - Concealed Hinge



### AN AESTHETIC TOUCH

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An architectural touch to your project...

You can add a modern look to your project with concealed hinge systems. These hinges allow the production of very large sashes with a load carrying capacity of 150 kg.

Because the hinges are hidden, plastic hinge covers do not appear as in visible hinge systems.

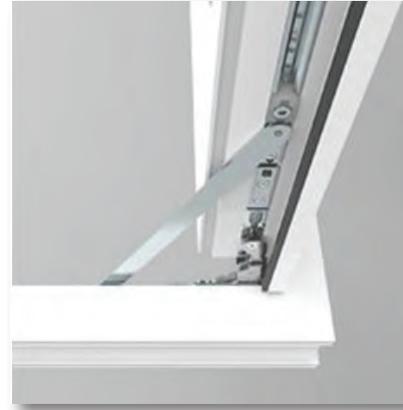
The hinge system provides adjustment in three directions. Thus, you can use the product without problems for many years.

If you wish, you can team it with a recessed window handle and take the look of your product to an even more modern level.



### CHILD SAFETY SASH LOCK

With this product, which is preferred in child safety, you can prevent people who do not have a key from opening the window against your will.



### 90° SASH LIMITER

It is preferred in cases where the window or door is used in the middle of the wall. It allows the sash to be opened up to a maximum of 90 right angle. Prevents the sash from opening and hitting further.



### ANGLE LIMITER

Keeps the window at a certain angle. It's a good option when there's something in front of the window that you don't want it to hit.



### TRANSOM SINIRLAYICI

It is used in cases where the standard size is too much. It is a very practical accessory to use when very little air flow is desired. It gives you fine tuning option with 2 location options.



### SASH HOLDER

This practical accessory keeps the wing closed without locking your door or window.



### TRANSCOM CATCH HANDLE

Used in windows with a single opening direction vasistas. Allows you to open the glass easily. Cleaning the windows is very easy thanks to this accessory.



## GLASS OPTIONS FOR EACH DEMAND

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Lots of glass options are offered that can meet different needs. Glass thickness of up to 30 mm can be offered in the 68 mm series and up to 40 mm in the 78 mm series.

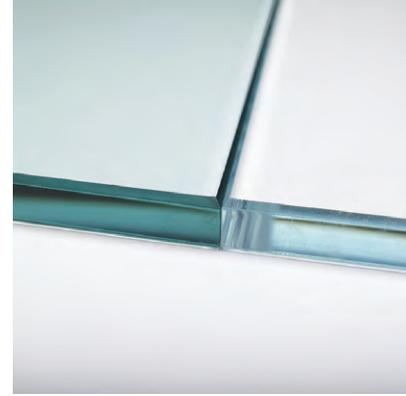
- Tripple glaing for passive home systems
- Laminated windows for thief safety
- Acoustic glass for sound insulation
- Tempered glass for human safety
- Low-e coated glass for thermal insulation
- Reflective windows
- Frosted and Sandy glass for Privacy
- Extra Clear windows for clear image

- For higher comfort;
- Insulated glass
- Between glass blind
- Between glass duet curtain system



## ACOUSTIC GLASS

This glass, prepared with a special film layer, is used for sound insulation. Configurations up to 43 Db can be obtained. City noise is considered between 70-80 Db. An indoor sound measurement of 35 db is considered a comfort standard.



## EXTRA CLEAR GLASS

This glass, prepared with a special window tinting, is used for sound insulation. Up to 43 Db configurations can be achieved. City noise is considered between 70-80 db. An indoor sound measurement of 35 db is considered a comfort standard.

## RAW GLASS

Raw glass can be easily broken. When broken, the scattered parts are sharp and can harm the human being.

## TEMPERED GLASS

It is a much more flexible type of glass, which is obtained by cooking standard glass in special ovens. It's hard to break. When broken, it is scattered in small.

## LAMINATED GLASS

It is achieved by combining two standard glass with a special layer of film. If the glass is broken, it maintains its structural integrity. It is preferred for thief safety.





Pivot hinge system  
150 & 300 kg

White, Black, Grey  
hinge options

Max : 6 m<sup>2</sup>

Special pivot  
handle

## PIVOT WINDOW SYSTEM

Pivot window with sashes that can turn 340 angle, especially favorite of women. It's incredibly easy to clean the window because the outside can come in.

With ventilation mode, it offers ventilation even in windy or rainy weather.

It allows to cross undivided large glass areas with sashes clearances of up to 6 m<sup>2</sup>.

It can be produced horizontally or vertically.



With security locks, unwanted people can be prevented from opening the sashes. Child safety can be ensured.





H : Max 340 cm

W : Max 6 sashes 600 cm

Lock system that can extend up to 60 cm

100 kg or 150 kg upper roller system  
4 different color options

Integrated pull handle

Keyed bolt lock

Zero level concealed bottom roller system

# FOLDING DOOR SYSTEM

Folding door systems are the best solution to close large openings, connect spaces with each other. It offers options for exit with many opening schemes.

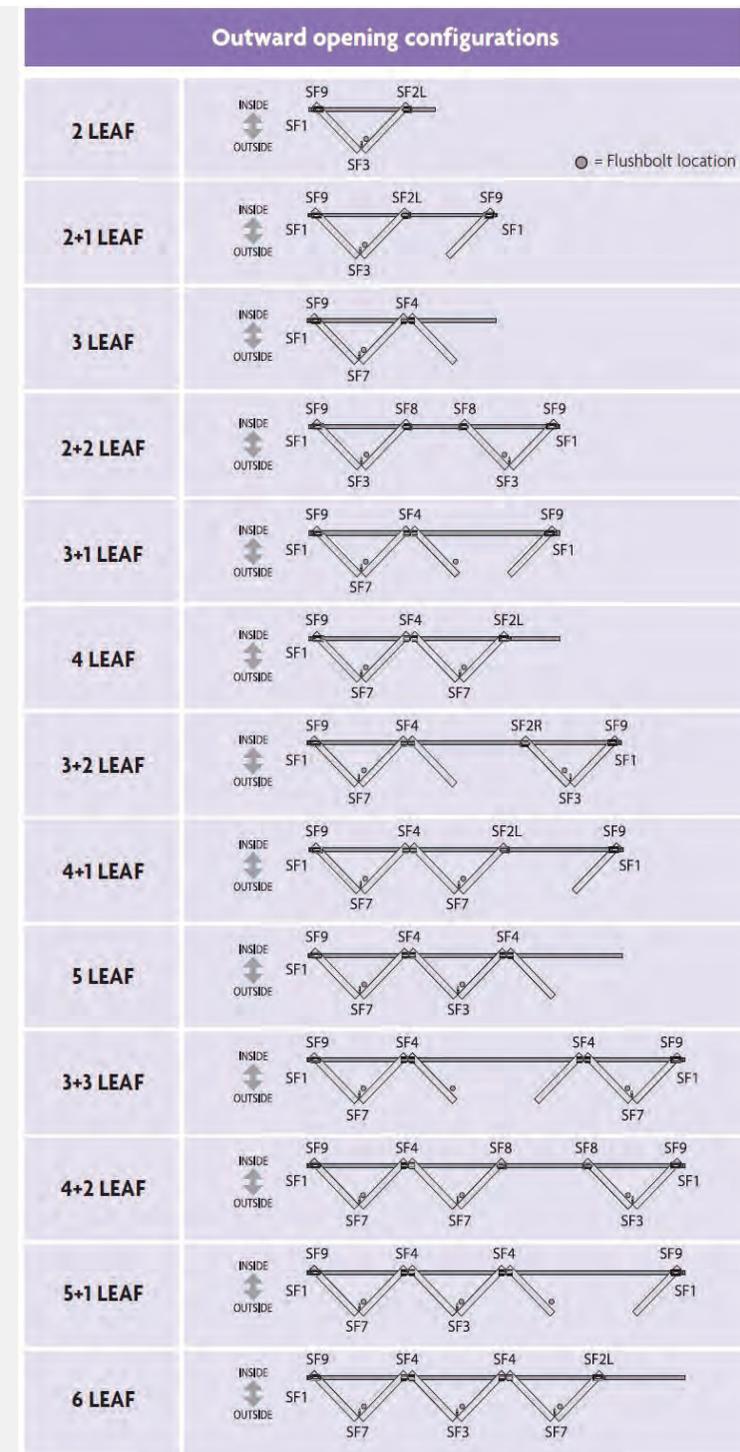
Heights up to 340 cm can be exceeded thanks to 150 kg carrying capacity wings.

We offer the highest quality with our solution partnership with Assa Abloy. All accessory products are made of stainless steel.

There are 4 different accessory color options; satin stainless, black, glossy brass, glossy chrome

There are two options in the rail system; zero level roller system, high insulated bottom threshold system.

- \* Please contact with us for special sizes and more sash needs like up to 12.
- \*\* For concealed thresholds must be connect drain system.
- \*\*\* Flush bolt length max 60 cm.

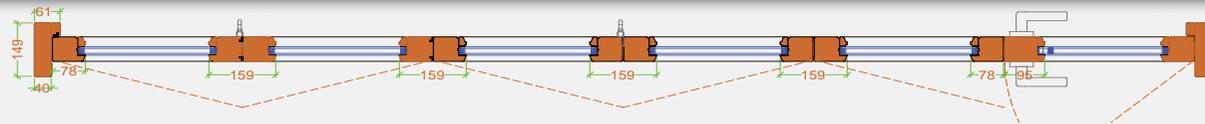
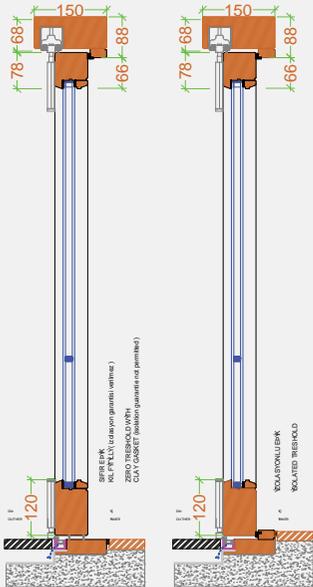




# FOLDING DOOR

The joint of double sash in the section is 159 mm. All bolt locks, pull handles, etc. accessories are embedded in this section.

In this system with a 3-sided symmetrical image, the upper rail part can also be completely embedded.





150 kg - 400 kg  
roller system options

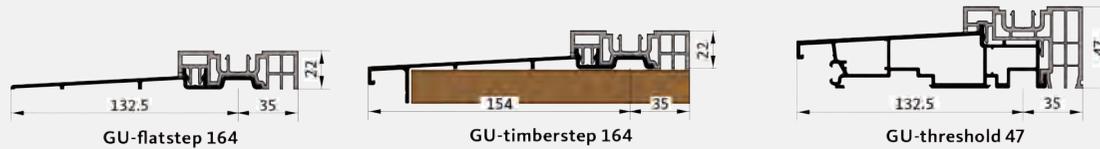
Integreted pull  
handle

Zero level concealed  
bottom roller system

## SLIDING DOOR SYSTEM

Lift and slide systems have a wide range of products that can carry loads between 150 kg and 400 kg. It allows you to achieve enormous openings with a sash area of up to 9 m<sup>2</sup>. It offers a wide range of architectural solutions with a width of up to 18 m and heights of up to 340 cm.

It has aesthetic ground finish details with zero level roller system and high insulated bottom treshold system options.



It offers different exit variations for different venues with 10 different application schemes.

Options;

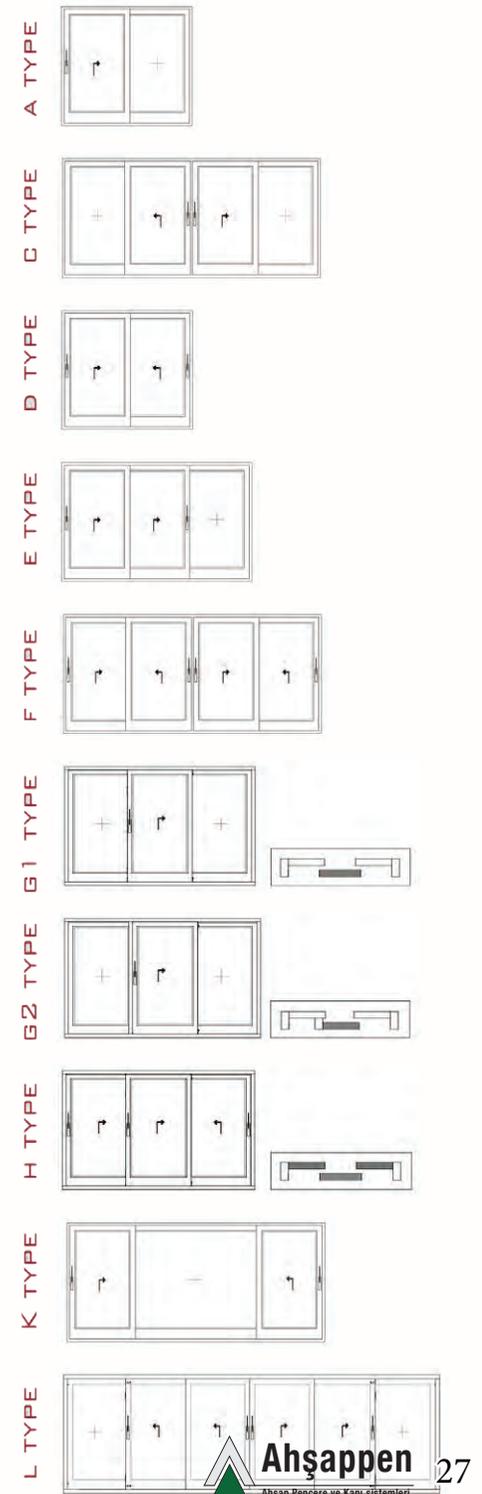
- Integrated screen system (with safe night mode)
- Integrated safety magnetic contact system
- Integrated motorized expansion
- Integrated burglar security system
- Mid-locking slats with 4-point pressure gasket
- Zero level roller system
- 5-10-15 mm roller system
- Speed limiter for child safety
- Handle speed limiter for child safety
- Zero level roller and high insulated treshold systems



\* Over 240 cm high systems produce specialy, guarantie not covered that units.

\*\* Some treshold must be connected to drain system, some tresholds do not exhibit storm performance.

\*\*\* Please contact us for special sizes



## Wood Options

Yellow American Pine (Standart)

Sapelli (Standart)

### A NATURAL, BEAUTIFUL, LIMITLESS WORLD

Every product we create for our customer is very valuable, special and important for us. A good product requires good raw materials. Therefore, we always look for the highest quality in the wooden material we supply. We investigate the most suitable wood for each of our projects from domestic and international suppliers.

When supplying products, many criteria such as moisture gradient, tissue smoothness, class, cut quality, colority are taken into consideration. In order to achieve this quality, we get help from consultants that we have not changed in more than 20 years.

We always offer our customers the best, not the cheapest. Every wood that enters our factory is in extra quality class. We also prefer PEFC certified products because of respect for nature. For us, the sustainability of nature is just as important as the quality of our product. Our production line offers Yellow American Pine and Mahogany Sapelli products as standard. However, we never limit our customers, we offer many special different wood options.

THERMO  
FRAKE

AMERICAN  
OAK

SIPO

CEDAR

AFROMOZIA

EUROPEAN  
OAK

# American Pine - Finishing Options

Clear coat

V7

V8

V9

V10



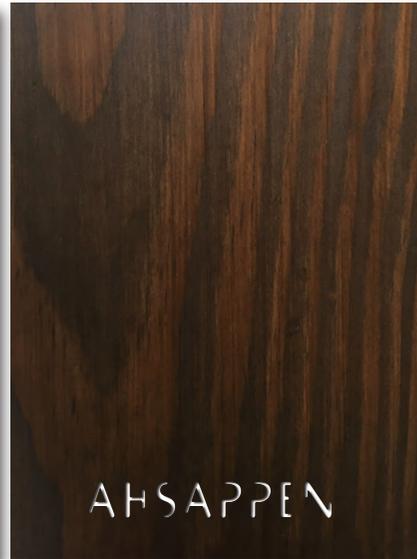
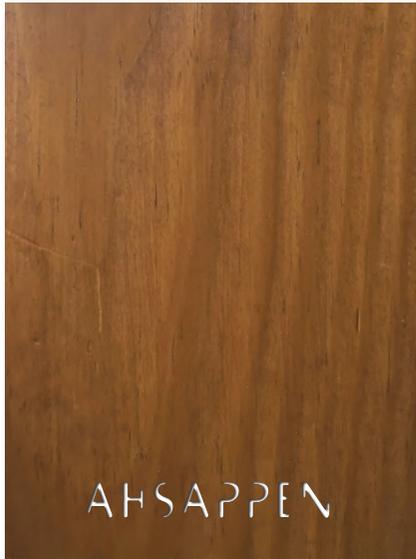
Clear coat

V7

V8

V9

V10



Natural oils that have been highly preferred lately, due to the healthy, easy to re-apply and natural.



R Pure

R White

R Black

# American Oak - Finishing Options

Clear coat

V7

V8

V9

V10



# American Oak - Oil Finishing Options

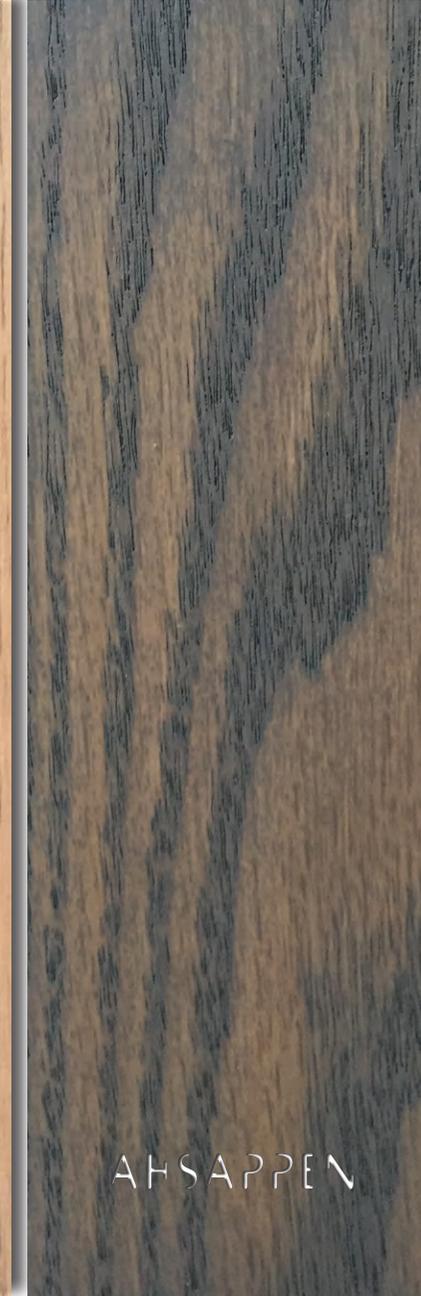
Teak

Black

Clear coat

Grey

White



# Sapelli - Finishing Options

Clear coat

V7

V8

V9

V10



34 AHSAPPEN

AHSAPPEN

AHSAPPEN

AHSAPPEN

AHSAPPEN

Pure

Chocolate

Teak

Black

White



AHSAPPEN



AHSAPPEN



AHSAPPEN



AHSAPPEN



AHSAPPEN

# PROJECT SAMPLES

We offer you a special selection of many projects we have carried out since 1985. During this time we had many customers, which meant many different projects and different experiences. We have evolved and changed in every project. Over time, we realized that the best start for a new project was to be inspired by old projects. For this reason, visuals are always important, but another important point is the privacy of our customers. For this reason, we offer our projects with abbreviations without sharing names. If the building has received a historical name, we only share its name with its historical name to keep it alive.

All the images you will see in our catalog are photos taken from the projects we carry out.

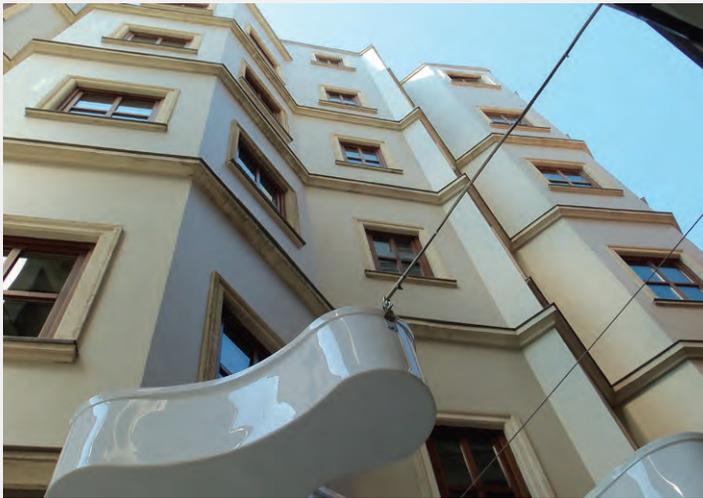
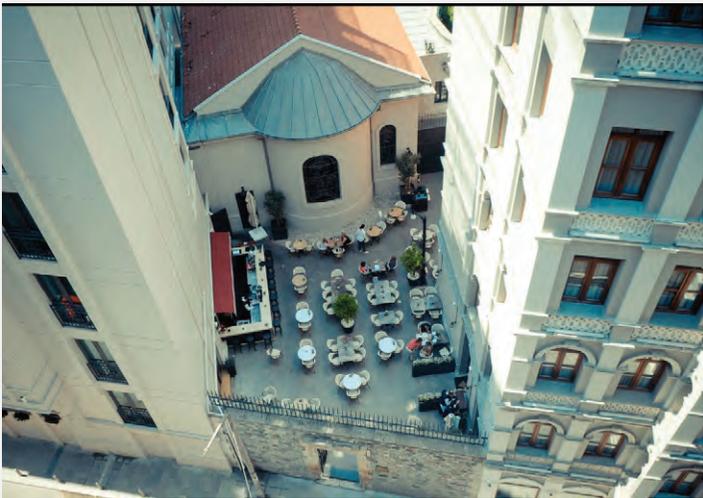
\* The rights of all visuals used in the catalog belong to our company within the framework of intellectual and industrial law. Cannot be used without permission in any way. The company name should be clearly stated in the use of the products obtained. Otherwise, all rights of our company are legally reserved.





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## MAHOGANY - CLASSICAL ARCHITECTURE

CHAPELLE, with the beat of popular culture coming to life in Pera as a cafe-restaurant-bar with modern & classic decoration adapted from yesterday to today. The classic weight and beauty of the mahogany tree adds a distinct vibe to this space.

Arched windows, arched french doors. It reflects the mood of the 1900s with carolage compartments. Chapelle, the backyard of Saint Helena Church, founded in 1582, was a great place for those who want to have a good time.

Wood Type	: Sapelli
Product Type	: AHS 68 Laminated window
Glass	: 6 Temp x 12 x 6 Temp
Finishing option	: Vernites vernici + 7 color
Accessories	: Maco
Inner moldings	: Sapelli inner molding and jamb
Outer moldings	: Silicone finish to stone jamb





# Küçük Zarifi Mansion

Tarabya / istanbul

Marvin double hung windows  
Design - Sevimli Architecture  
Produce - Was System / Ahsappen

## FROM STRUCTURE TO LIVE

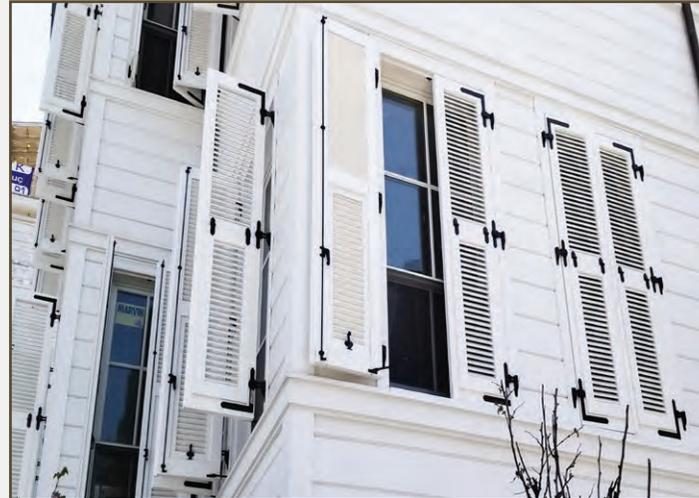
Küçük Zarifi Yalısı and Sıra Yalılar, under the leadership of the Sevimli Mimarlık Architecture team, was built as a reconstruction by our company.

The total construction area is 1310 m2 built entirely as a wooden construction.

In the European norm, spruce glue laminated wood structural system, plywood outer sheeting, Skytech insulation textile, mahogany facade cladding, Marvin double hung window system, shutters, Maco stainless accessories, mushroom insulation mattresses have been implemented with innovative construction approach.

The structure is designed to serve smoothly for many years to come.

It is a structure that will experience the traditional lines of Turkish architecture for centuries.





## ZARIFI MANSION PROJECT PROPERTIES

### Structure

- Frame System : EN14080 Spruce glue laminated structure with F30 fire standard  
Isolation : Bor based spraying system  
Facade : Sapelli wood cladding, Skytech heat and vapour insulation  
Inner Facade : Plywood interior sheeting and board  
Floor : Mushroom sound absorber, stone wool sound insulation and primer plywood flooring

### Window&Door

- Wood Type : American pine  
Product Type : Marvin clad pine double hung window  
Glass : Marvin Low-e 266  
Finishing : Outside Stone White , inside RAL 9016 White  
Accessories : Marvin Truth , Satin handle and lock  
Inner Moldigs : 9 cm special production  
Outer Moldings : Sapelli wood  
Shutter : Sapelli wood  
Shutter acce : Maco stainless black





# Sira Mansion

Tarabya / istanbul

Marvin double hung windows  
Design - Sevimli Architecure  
Produce - Was System / Ahşappen

## DANCING OF THE COLOR

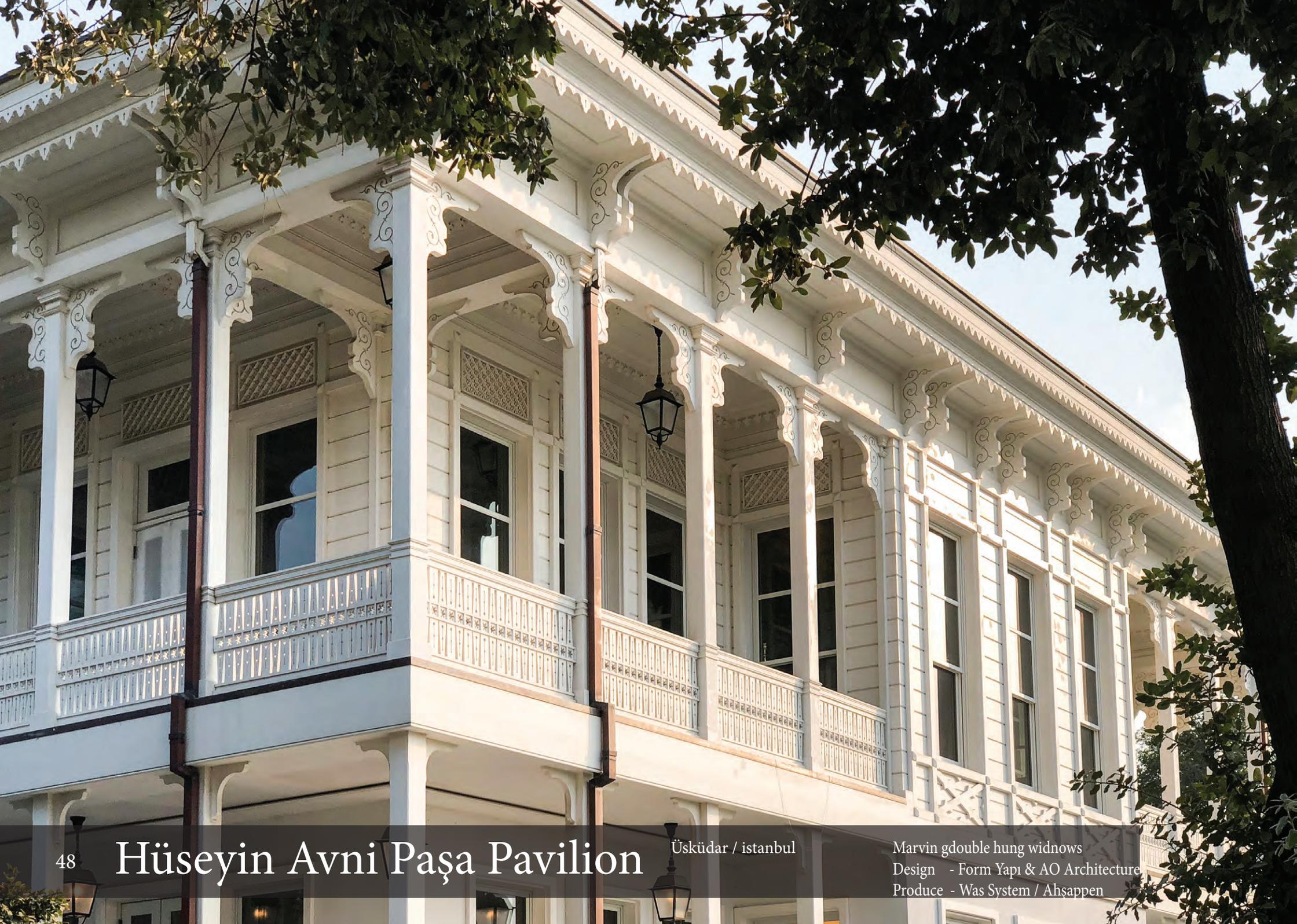
Sıra Yalılar is a project that we carried out together with the Sevimli Mimarlık team.

It's a glamorous project consisting of four little mansions and a boathouse building. Especially noticeable in this project is the use of very different colors together.

The structures that will challenge the years have been completely rebuilt with world-class quality products. Considering the robustness and aesthetics of wood, sapelli was selected. All products used in the project are first quality such as structure system, high thermal insulation membranes and sound absorbent mushroom sheet.

Double hung systems are imported from Marvin, a company of which we are representatives. Solid doors and tilt/turn windows are manufactured in the Turkish Ahşappen factory, in accordance with the European norm.





## WONDER OF ART

Huseyin Avni Pasha Pavilion, a 1st class historical monument, is a 150-year-old work. It was built as a reconstruction after the fire.

The structural system is made of larch laminated wood in accordance with en 14080 and F30 fire norm. Facade coverings, facade ornaments and shutters are made of American cedar.

The decorations are all produced one-on-one replicas on CNC machines.

Ceiling decorations are carved with 5D CNC from ayos tree and finished in hand paint.







## WESTERN RED CEDAR + OIL

Huseyin Avni Pasa Avcı Pavilion

Design by Emre Ince

Built by Kagir Ahsap & Ahsappen 2017



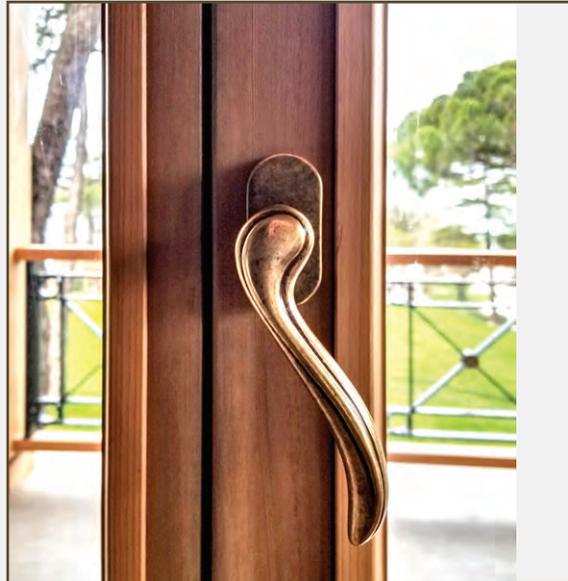
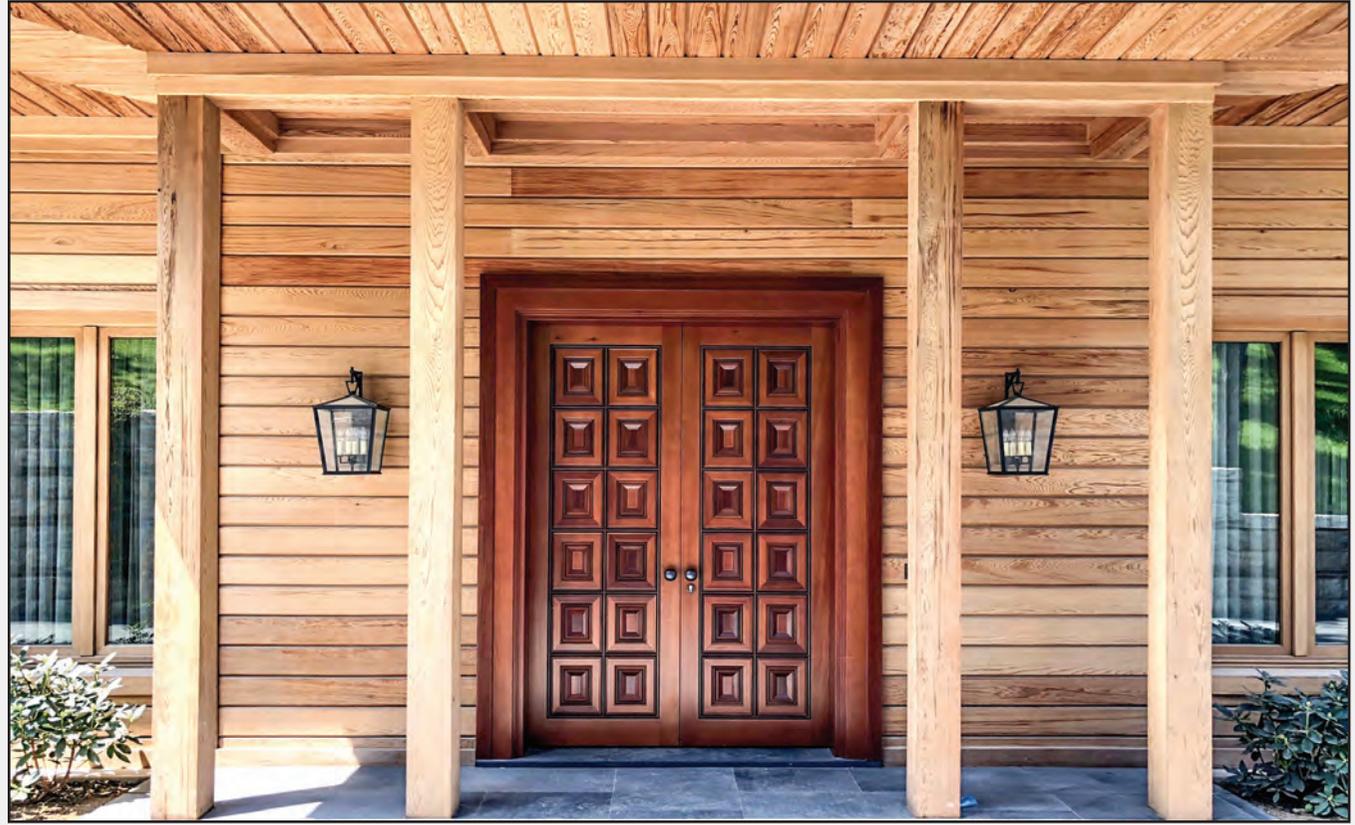
## NATURAL AESTHETICS OF THE SEDIR WOOD

This project, designed to be completely compatible with nature, was designed and carried out by Architect Emre Ince, owner of our solution partner Kagir Ahşap.

A structure lost in nature with the beautiful smell and magnificent color of the sedir tree. Simple and calm.

Window systems are made of American cedar.

It was oiled and finished with a natural oil so that it did not lose its natural appearance.



WESTERN  
RED  
CEDAR +  
OIL



SPLENDID PALAS

## ATATURK'S CHOICE

A magnificent building overlooking the Sea of Marmara on one side and Istanbul on the other with its silver domes and red shutters...

In a historical sharing with nature, Buyukada is a place that preserves the nostalgic excitement of its past and is free from the stress of the city with its unique, peaceful and relaxing island air.





## FOUR YEARS OF RESTORATION

This building, which put into service in 1908, has been restored twice to date and the most extensive restoration was carried out by us between 2011 and 2015. It will serve its customers and regulars who cannot give up for many years.

We're proud to be protecting a historical building.





## H.A. MANSION PROJECT PROPERTIES

### Structure

Frame system : EN14080 Spruce glue laminated structure with F30 fire standard

İsolation : Bor based spraying system

Facade : Sapelli wood cladding, Skytech heat and vapour insulation

Inner facade : Plywood interior sheeting and board

Floor : Mushroom sound absorber, stone wool sound insulation and primer plywood flooring

### Window&Door

Wood Type : American pine

Product Type : Marvin clad pine double hung window

Glass : Marvin Low-e 266

Finishing : Outside Bronze , inside White

Accessories : Marvin Truth , Satin handle and lock

Inner Moldigs : 9 cm special production

Outer Moldings : Sapelli wood

Shutter : Sapelli wood

Shutter acce : Maco stainless black





## A CHALET UNDER THE SNOW

Bolu's magnificent greenery, pine forests, fresh air and winter white cover are snowy mountains...

This is a magnificent chalet, designed to experience beauty.

Marvin is a classic touch in rooms with double hung windows.

In the dining room, indoor/outdoor separation is eliminated with the folding door system that can be fully folded outwards.

Guaranteed full resistance to outdoor weather conditions and zero service with in-aluminum oak window systems on the outside.

Color : Bronze exterior, transparent oil oak interior









## THE PEARL OF KANLICA

Renovation project by Serpil Tanker, located in the Kanlica region of the Bosphorus.

In this structure we used mahogany sapelli awning top shutters and foldable lower shutters. We produce on upper floor double hung windows, on ground floor triple hung windows systems. It is an aesthetic and elegant mansion, ornaments, facade, shutter, claddings with color harmony.

Mahogany Double Hung Windows

Mahogany Triple Hung Windows

Mahogany Foldable and awning shutter

Mahogany opaq paint cladding and facade ornaments.



View on bosporus



Folding Shutter System



## FROM MAXIM CLUB TO SOFITEL HOTEL

Frederick Bruce Thomas, who owned a bar in Tsarist Russia, is actually a child who was raised as a slave in the American land. After settling in Russia, where discrimination was less at that time, he started to continue his life as a waitress. While he was a waitress, he decided to start his own business with the money he earned from distinguished customers. Its venue named Maxim becomes one of the most famous nightclubs of the period both in Russia and Europe. Thomas, who suddenly became the target of revolutionaries with the Bolshevik movement, finds the solution by escape to Istanbul. Thomas, who has difficulties here, does not give up and establishes a new venue in Şişli that will mark that period and whose dancers will be brought from Russia. This place, where Russian dancer girls make Fokstrot, Shimmy and Çarliston, will soon become one of the favorite places of Istanbul. The venue where black jazz bands, known as the "Abyssinian Orchestra" by Istanbul society, also take the stage, becomes the new pupil of Thomas. Then, "Maksim" opens for the Istanbul high society, who need a bigger space. The club, which declined after the death of Frederick, will be taken in 1955 by Faherttin Aslan, who would later be called the king of gazinists. Turkey will host all the great artists of the post will become a venue. A long time later club closed. A few years ago it renovated and turned to hotel.

Taking great care in the renovation of the building in accordance with the original, Architect Dr. Mehmet Alper with this project, this project will again challenge for years.

It is a beautiful project consisting of carefully selected mahogany s wood doors, arched windows and folding doors.





## A NEW LOOK AT THE LOG HOUSE

In this project, which we carried out in Kemer Country Kütük houses, the whole structure was renewed except for the main structure system.

The patio was closed in accordance with winter use. Considering that it will be used open position in the summer period, large sliding doors were preferred. In this way, an environment has been created that is very lighted and where you can feel yourself outside in winter. An incredibly large 780 x 315 cm sliding window was used at the main exit of the patio.

Extra Clear glass was preferred on all our windows, so that the windows were not seen at all while sitting on the patio.

With Marvin's new doublehung window systems, we've got very useful spaces indoors. We provided great heat and sound comfort.





## A NEW LOOK AT THE LOG HOUSE

All venues such as the automatic entrance door, scaffolding, vehicle garage, studio house were completely overhauled. It's been rebuilt.

The studio section was rebuilt to inspire new songs.

All products are made of Prime-grade American pine and polished with Vernites vernici Italian varnishes.

The inside of the log building was painted white to be spacious.

Without changing the natural texture of the house as much as possible, a house with modern touches was obtained.

A turnkey service has been served from the roof to the smallest piece of wood.





## WINTER GARDEN & FOLDING DOOR

Its design and projecting was carried out by our company. Ash wood was used in vertical claddings. Bronze rheinzinc was used on the roof. Folding door system painted green outside and white inside, to get harmony with nature.

- Ash wood cladding
- Outswing folding door
- Termo ash wood deck
- Bronze rezinc roof
- Stainless steel fountain

Folding Door Properties :

5+0 Folding type

Marvin evergreen clad system outside

American pine with white finish inside

Lowe glass

Black finish accessories





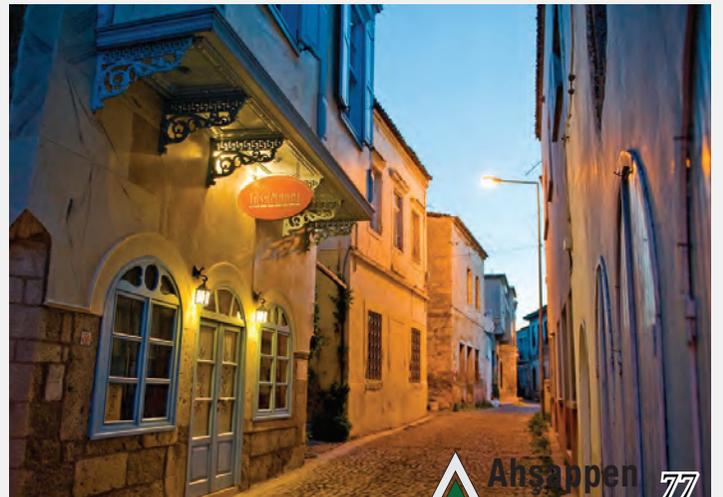
## TASH MAHAL / ALAÇATI

It is a 150-year-old mansion hotel that has been restored in accordance with the historical architecture and the requirements of contemporary life, where you will feel the 19th century Alacati lifestyle. A charmingly beautiful Greek house and a peaceful green garden...

In this unique structure that we have carefully renewed, the highest quality pine wood, balanced double hung systems, stainless Maco shutter accessories preferred. We have created useful and elegant products with full shutters with bellies. We offered a quiet sleeping atmosphere even in the magnificent crowd of Alaçatı.







Motorized shutter

Amazing appearance  
and sound insulation  
with extra Clear and  
Acoustic glass

Special production  
jumbo vasistas window  
system

Valli Valli handle

## BLACK & WHITE

The main theme of the villa is black and white. All fixed products are designed in accordance with this theme.

Only the color was joined to the canvas with furniture.

Project Properties;

- Hidden motorized shutter system
- Mahogany sapelli black oil on the outside, white wooden window on the inside
- Acoustic laminated extra clear glass
- Valli Valli handle
- Specially designed moldings





## PIVOT WINDOW

To not interrupt the spectacular view, we used very large vertical pivot windows in the hall. At the same time, the windows were made easy to clean with the hinge system, which can rotate 340 angle.

6 sashes folding door system was used to combine the back roof and sitting area. At the same time, a 6-part winter garden system was built to get natural light. The system is hidden by marble cladding forehead. The winter garden is supported by an automatic winter garden screen system. Thus, light input can be reduced when desired.

HBSB riding systems were used on the front terrace. It is a pleasure to go to the terrace with these systems that are thresholdless.

Intermittent horizontal thermo coating was used on the front. Mahogany sapelli wood was preferred for windows.

While the wood color is preserved on the outside, gray painting is made for a more modern appearance on the inside.





82 M.C. Çiftlik Ilgaz / Kastamonu

AHS 68 windows and doors  
Design - Ögün Architecture  
Produce - Was System / Ahşappen

## TURKISH STYLE

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Inspired by the old Black Sea houses, this building is one of the beautiful works that Ögün Architecture has added to our country. This structure designed by bringing together all natural materials such as stone, wood and zinc is a good example of our own culture.

Ahs 68 French windows, AHS 68 French doors and 2+2 folding door system were used in the project. The windows, which are parted with carolage slats, are a reflection of the stone carolage system in the structure.

Low threshold profiles and zinc-coated drippings have provided a smooth insulation, while at the same time extending the maintenance time.





## PICTURE WINDOWS

A very special project with door modules up to 7 meters. All window models were modeled by working one-on-one with the host.

It is a magnificent structure in the middle of nature, where light easily sees into the house.

Marvin system was used in the door and window. After 4 months of detailed projecting process, it was applied flawlessly.





## ARCHED WINDOW AESTHETICS

### Window&Door

Wood Type	: American Pine
Product Type	: Marvin Clad Pine
Glass	: Marvin Low-e 266
Finishing	: Outside Stone White, inside RAL 9016
Accessories	: Truth , White handle
Inside Moldings	: 9 cm Special product
Outside Moldings:	: Fiber Prekast



# 88 İnönü Mansion

Komodor Remzi Bey Yalısı - Anadolu Hisarı / İstanbul

Marvin double hung windows

Design - Ertem Ertunga

Produce - Was System / Ahşappen

## HISTORICAL STRUCTURE

Insulated double hung window system, outer shutter, outer moldings, specially re-produced in the original detail.

Wood Type	: American Pine
Product Type	: Marvin Clad American pine double hung
Glass	: Marvin Low-e 266
Finishing	: Outside Stone White, inside RAL 9016
Accessories	: Marvin Truth , White Lock
Inside Moldings	: 14 cm special product moldings
Outside Moldings	: CNC product molding, sill
Outside Shutter	: Straw-shaped CNC custom manufacturing shutter



# 90 İnönü Mansion

Komodor Remzi Bey Yalısı - Anadolu Hisarı / İstanbul

Double hung windows, shutters, trims  
Design - Ertem Ertunga  
Produce - Was System/ Ahşappen

## HISTORICAL STRUCTURE

The mansion built in 1917 by Komodor Remzi Bey in neo classical style; designed by architect Ertem Ertunga. Mansion, has been home to many people; Komodor Remzi bey, Mümtaz Aktay Paşa, and then The Prime Minister and Physics professor Erdal Inonu, son of Ismet İnönü. It was demolished and re-built in 1992.

Due to its location, Rumelihisarı, Bosphorus Bridge and Fatih Sultan Mehmet Bridge look very beautiful. This mansion, which is neighboring the Anatolian Fortress, is in a vertical mansion style.

This yali, which was re-built in 1992, was carefully restored by our company in 2019. It was an elaborate renovation for this building, which has an important place in the history of our country, to live for many years.



Inside molding detail



Entrance door and 3 point lock system



## AMAZING VIEW OF OAK

In this project, there is a very beautiful marble selected by Atılgan Özel Architecture and a combination of American oak wood toned with gray oil.

The products are specially patied 2 times. Thus, a wavy patine of Italian style appeared. A more modern image is obtained with gray cream patine without changing the texture of the product.

Every detail included in the project, such as solid jambs, 14 cm specially produced moldings, motorized screen system, is designed to the finest detail and produced with meticulousness.



Patine oil process



Arched door and carolage



## O.C. BULGURLU MANOR HAOUSE PROJECT PROPERTIES

- Wood Type : American White Oak  
Glass : 6 Guardian 7041 x 12 x 4.4 Laminated ekstra clear  
Finishing : 2 times patina oil inside&outside  
Accessories : Maco concealed hinge system  
: Gu 3 point lock system for doors  
Screen : Motorized ZIP fiber screen sistemi  
Moldings : 14 cm inside moldings, marble at outside  
Other : Gray aluminum low threshold system on doors , wooden  
handmade special '+' shapes divided lites



Solid door  
3 point lock system



## HALIDE EDIP PAVILION PROJECT PROPERTIES

Wood Type	: American Pine
Product Type	: Marvin Clad American pine double hung window system
Glass	: Marvin Low-e 266
Finishing	: Stone White outside, RAL 9016 inside
Accessories	: Marvin Truth , Antic Bronze, Brass Handle.
Store	: Somfy Motorized store
Inside molding	: Wood inside casing and trims
Outside molding	: Special production outer sill apron and trims



Double hung window, Brass Accessories, Motorized inside store



## A.T. PAVILION PROJECT PROPERTIES

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Wood Type	: American Pine
ProductType	: Marvin Clad American pine double hung window system
Glass	: Marvin Low-e 266
Finishing	: Cashmere Outside, RAL 9016 Inside
Accessories	: Marvin Truth , Antic Bronze
Inside Moldings	: Special poduction
Outside Moldings	: Finising bead







## ORIJINAL WINEBERRY COLOR

The structure in our project was a magnificent foam in the color of the wineberry. It was quite important that the doors and windows were the same as this color, therefore the same color was obtained with optical reading, and Marvin windows were produced in this color.

Elevation, special internal wall cladding and sill finishes are made of cedar.



## PURE WHITE NEAR THE SEA

Our project in Cesme is a white villa that meets the azure sea of the Aegean. While it stands out for its pure interior design, it has Italian style outdoors.

With extra clear glass, you can fully experience the blue of the sea and the beauty of green when you are inside the house.

With large sliding windows, maximum comfort of use and the ease of going out with zero leveled thresholds are offered.





## BUILT FOR GUESTS

It was created in a virgin bay of Marmaris to welcome elite guests. It is a very special project where sipo wood and natural stone cladding come together.

The project consists of 5 different buildings and each structure has pergolas, fringes, facade decorations, windows and shutter systems.





## HEARTWARMING PLACES

We destroy the line between our specially produced folding doors and the inner and outer border. We're also a shield between cold and hot. It is no longer a problem to open very large openings with our folding door systems.

We push the limites with the 6000 x 2700 cm 6 sash doors and 5000 x 2700 5 sash door systems that we use in this project. With this system that works effortlessly, the scenery and fresh air are now inside your space.

Laminated beam system in accordance with European norm, insulation, handwork stone walls, zinc plating, iroko deck flooring and parapets, comfort isolated glass, folding doors and entrance door in accordance with European norm, the highest point of quality in wooden structure, good craftsmanship and architectural design. An icon project with Toner Architecture.



Ahşappen 6000 x 2700  
6-sash folding door



## TIKIN CHALET PROJECT PROPERTIES

### Structure

Frame System : EN Norm import laminated spruce and handwork  
mansory stone wall

Roof : Zinc plating

İsolation : Stone wool

Deck : Iroko , clear oil

### Windows&Doors

Wood Type : American Pine

Product Type : Ahs 68 Folding door system

Glass : 6 mm Temperer confor x 12 x 6 mm Tempered insulated glass

Finishing : Zobel clear oil , Teak color mixed

Accessories : Ahs 68 import 316 stainless steel folding door system

Inside molding : Finished Bead

Outside molding : Finished Bead



Solid door  
3 point lock system



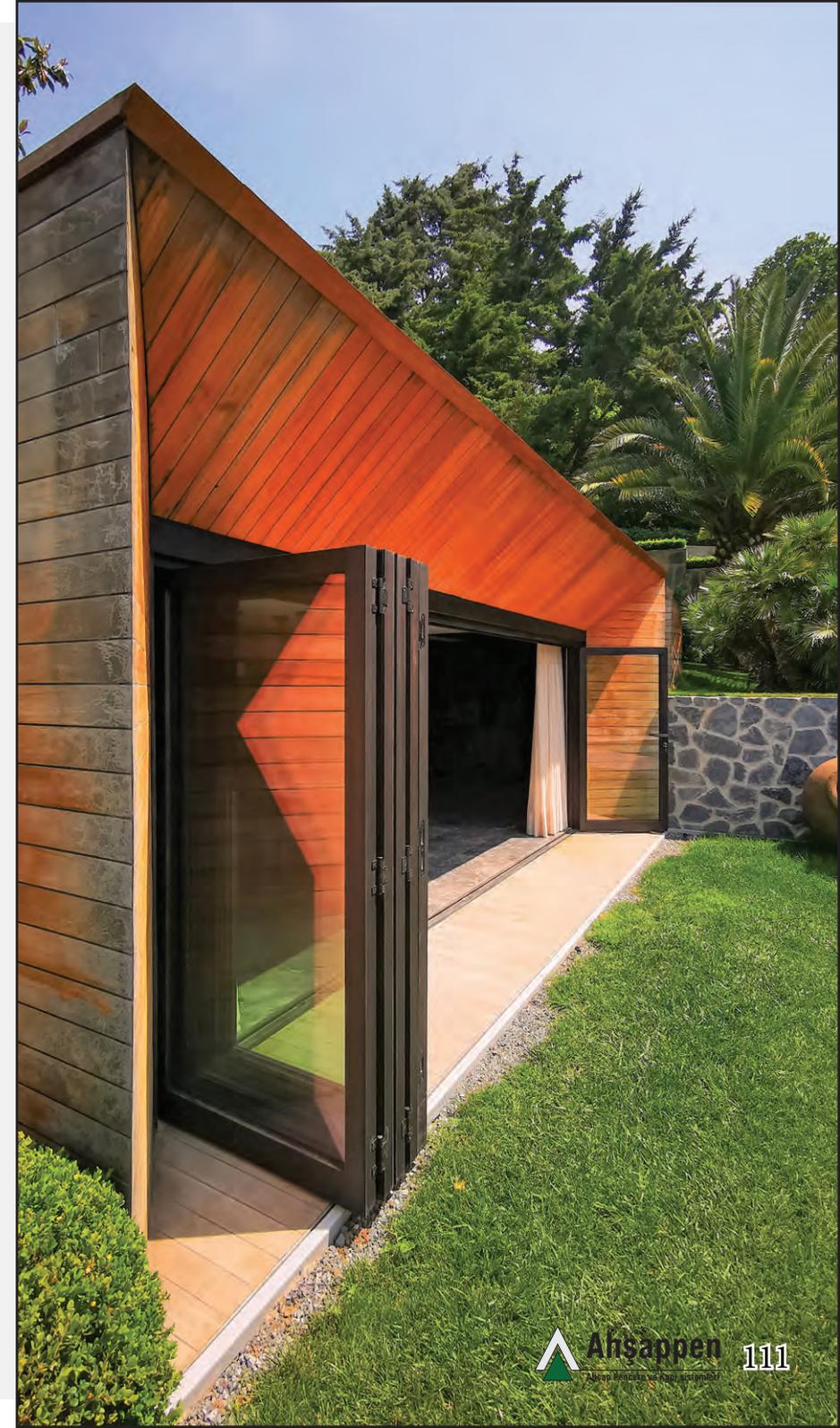
- 5+1 Wood Folding Door System
- Teak facade cladding
- Motorized screen

## MODERN LINES

In this structure, which was designed as a welcome hall combined with the pool, Teak wood facade cladding, thermo iroko wood folding door systems, motorized screen system were used. With the opening of folding doors, the place was fully unification with the garden.

With the green roof system, the structure was adapted to nature as much as possible.

A modernist but warm place was achieved with the combination of clear oily teak wood and black oily iroko wood. The structure was designed like a modern sculpture.





OKUL BİNALARI  
SCHOOL BUILDINGS  
Gould Hall  
SOS HALL  
KAPALI  
KAPALI

112 ← Robert College Gould Hall

Hisarüstü / İstanbul

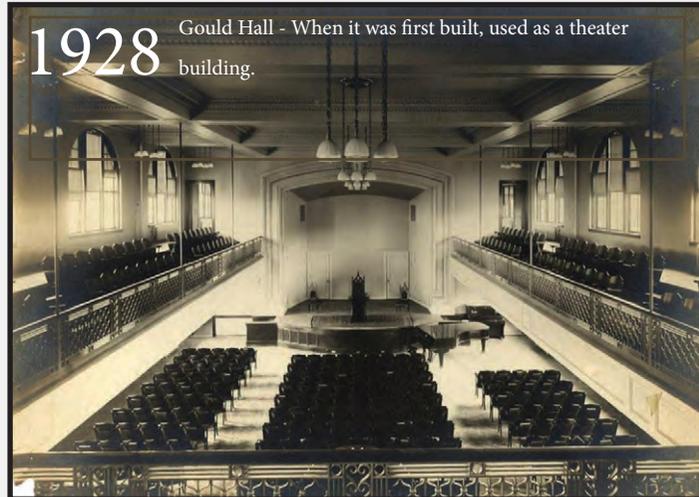
## BEST COLLEGE IN TURKEY

Turkey's best college, Turkey's best window. The decorations, which are re-produced in accordance with the original, are works of art.

The building has been restored 3 times in its lifetime. We are so sure about the quality of our products that until the next restoration, they will be used smoothly for many years to come.

The products were made of Extra Grade American pine and painted with titanium added water based Zobel paint. Star decorations were processed millimetrically on CNC machines. 80 cm wide exterior trims were reproduced entirely by manual labor.

Huge arched windows installed in their place which were 7 m2, with the help of cranes.





## ROBERT COLLEGE PROJECT PROPERTIES

Wood Type	: American Pine
Product Type	: Arched Windows&Doors
Glass	: Confor insulated glass
Finishing	: Zobel RAL 9016 white paint
Accessories	: GU motorized&tilt and turn systems
Inside Moldings	: Finishing Bead
Outside Moldings	: Silicone

Exterior trim and decorations under fixed windows are specially produced to be an exact replica of their original products.

Motorized opened vasistas window systems are connected to the automation system. In this way, windows are automatically opened and closed to provide clean air circulation to the structure at certain times.





## HOUSE OF FENERBAHÇE

It is the largest wooden structure in Turkey, built at an altitude of 1300 meters. There is a building area of 7500 m<sup>2</sup> made entirely of wood.

This 80-room facility is made as turnkey, including electrical and mechanical operations.

It was completed in as few as 6 months with 2.5 months under snow.

In the European norm, high quality products such as structure system, thermowood pine façade and window elements, velux roof windows, Marvin double hung window systems, spax fasteners are used.

Since 2011, it has been serving the sports club and guests from outside.

There is a swimming pool, 3 football fields, spa center, hammam, rowing room, floating pier.







## THERMOWOOD FACADE, WINDOWS&DOORS

It is one of the first construction sites in Turkey where thermowood tree burning technology found by Finns is used.

# THERMO PINE





120

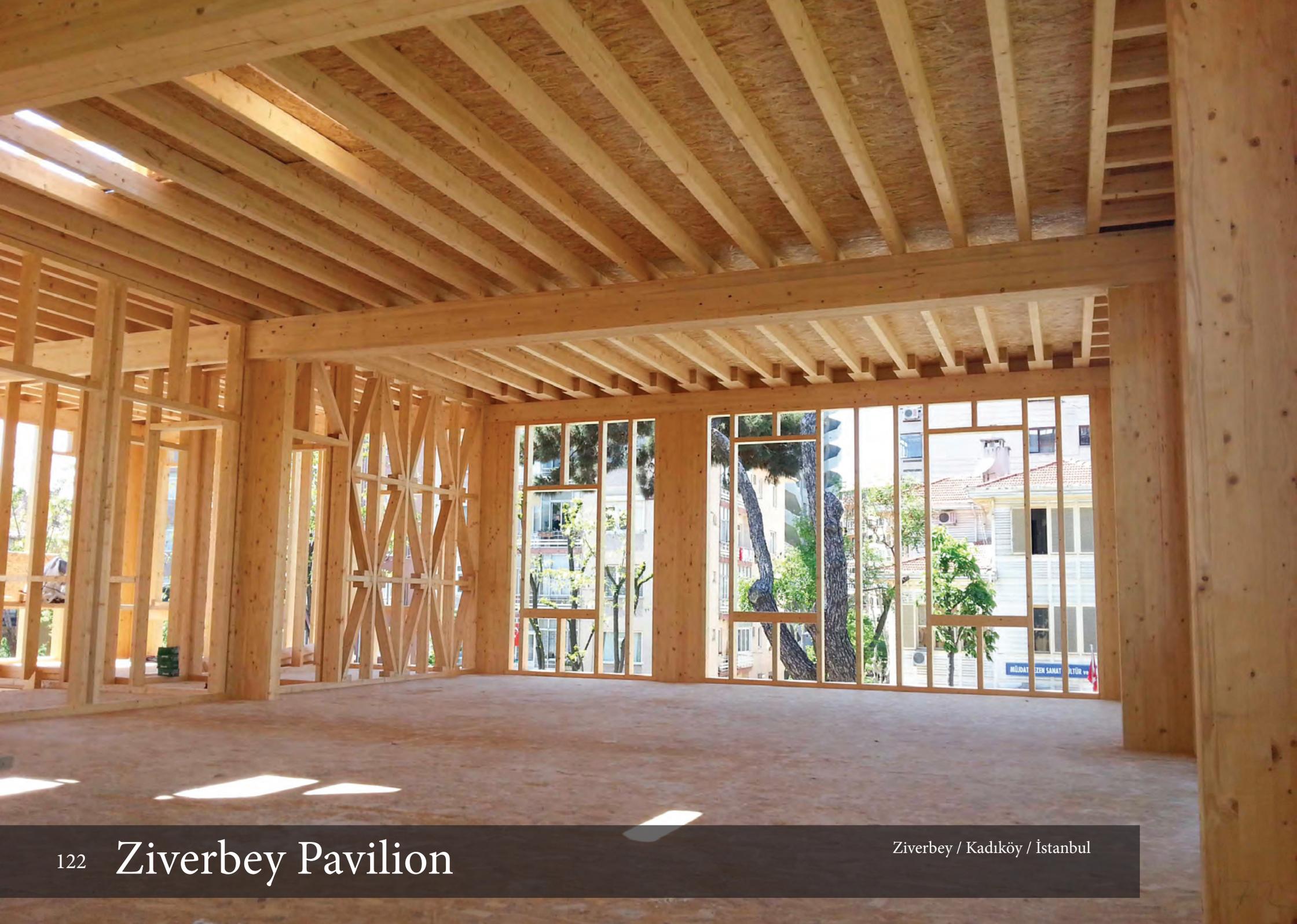
# Ziverbey Pavilion

Ziverbey / Kadıköy / İstanbul

## ZIVERBEY PAVILION

- Computer premodeling
- EN 14080 Spruce glue laminated structure with F30 fire standard
- SPAX structural screws
- WBP plywood sheetin on exterior and interior
- Skytech heat and vapour insulation
- Plywood interior sheeting and board
- Mushroom sound absorber, stone wool sound insulation and primer plywood flooring
- Izobor spray insulation system
- Premium quality workmanship
- Premium quality american yellow pine exterior cladding
- Zobel water based professional wood paint
- Marvin double hung integrity windows
- Maco stainless shutter accessories
- Wooden Shutters





## NEW GENERATION LAMINATED STRUCTURE

Marvin Integrity series double hung windows, which completely in accordance with the European norm, were used in this structure. The outside of these products is covered with fiberglass and has a very long outdoor strength.

Outside there are pine wood shutter systems. The shutters are fitted with Maco stainless black accessories. Made with a special seven layer coating technology, shutter products are stainless and serve in the same comfort for many years.





## LOG HOUSE PROJECT PROPERTIES

In this project, which is one of the largest log houses in Turkey with a session area of 1100 m<sup>2</sup>; double hung window systems, HBSB large size lift and slide doors and shutter systems has been implemented.

All products are produced from the highest quality pine wood. The interior and exterior doors are produced from solid + water contra panels.





## S.Y. VILLA PROJECT PROPERTIES

### Windows&Doors

Wood Type : American Pine  
Product Type : Ahs 68 Tilt&Turn and Sliding  
Glass : 6 mm Confor x 12 x 4.4  
Laminated insulated glass  
Finishing : Out RAL 6028 ,in RAL 9016  
Accessories : G.U. Sliding and Tilt&Turn

Inside Moldings : 12 cm inside bead  
Outside Moldings : 9 cm jamb, sill and trims





## PEARL OF THE BOSPORUS

In this project with Sevimli Architecture, materials are preferred at the highest level. We managed a project that was hard to apply.

Extra Quality Meranti Wood  
Extra Clear Isolated Glass  
Hoppe Brass Handles







## ELEGANNES OF MAHOGANY

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A mansion hidden in greenery in Kanlıca like classic posture of the mahogany.





## GÖLBAŞI FARMHOUSE

This structure, which is completely the work of our company from its design to its construction, was designed and produced to meet the expectations of our customers.

It was a synthesis that combined the special roof design with the local architecture of Ankara.

The quality of materials and workmanship was not compromised as usual. So came a special work that would live on for years.





## GÖLBAŞI PROJECT PROPERTIES

Facade crosses, viewing tower, fringe details and structure pictures

- Computer premodeling
- EN 14080 Spruce glue laminated structure with F30 fire standard
- SPAX structural screws
- WBP plywood sheetin on exterior and interior
- Skytech heat and vapour insulation
- Plywood interior sheeting and board
- Mushroom sound absorber, stone wool sound insulation and primer plywood flooring
- Izobor spray insulation system
- Premium quality workmanship
- Premium quality american yellow pine exterior cladding
- Zobel water based professional wood paint
- Marvin double hung integrity windows
- Maco stainless shutter accessories
- Wooden Shutters







## MAHOGANY PAVILION

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Clear water-based varnish is used in the building, which is made entirely of mahogany sapelli maun.

Color: Clear water-based vernites polish

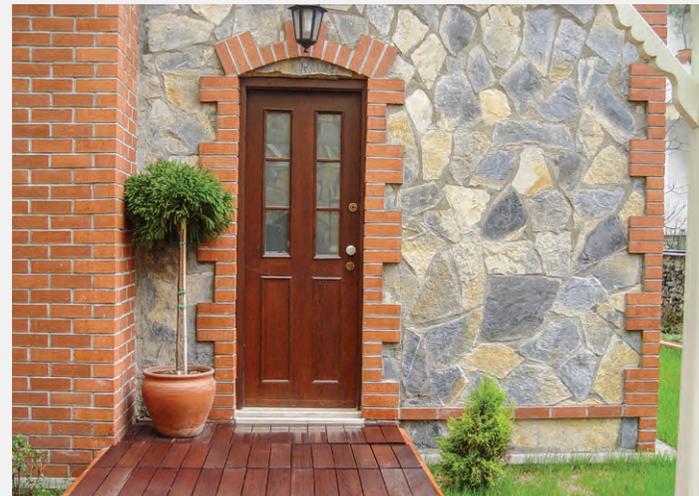




## HAMUTCU MANSION

In 2004, it is our first project as the 2nd generation of our company, thanks to this project, we have made a good start in our business life.

Facade cladding, facade decorations, entrance doors, all window systems were made by our company. We used water-based TRIMETAL opaque paints. We have kept up with the times, using with European double hung balancing system.





## MARVIN

Located in Kandilli, the most beautiful neighborhood of the bosphorus, this elegant mansion is integrated in whole with Marvin's slim and delicate profile structure and excellent quality carolage.

The series, which is completely wooden, was preferred. Very high thermal insulation was achieved. Marvin doors were brought from America. These doors, which are suitable for use as entrance doors with multi-point locking system, are ready for service for many years with their robustness.









## A MANSION INSIDE THE HISTORIC FORTRESS

130 x 265 cm Magnum Marvin Double Hung  
Window System and insulated laminated glass

Motorized shutter system and motorized  
inner curtain system

Class 2 ballistic glass safety shed, special made  
wooden shutter systems.

16.5 m sliding window system





## LONG-LASTING SOLUTION

### WITH MARVIN

Our customer had applied to us with incredible water and wind problem. After a detailed study, the Marvin American Guillotine window system was decided. After the guillotine windows are installed, the result of the tests is as follows: 50 -55% savings in sound and up to 40% savings in natural gas cost. After this performance, he decided to make 3 more mansions renewal belonging to his family with us. customer satisfaction has always been our reference.





148 Novhani Villa Azerbaijani / Bakü

Mahogany windows, door  
Design - ACN Design  
Produce - Ahsappen & Was System

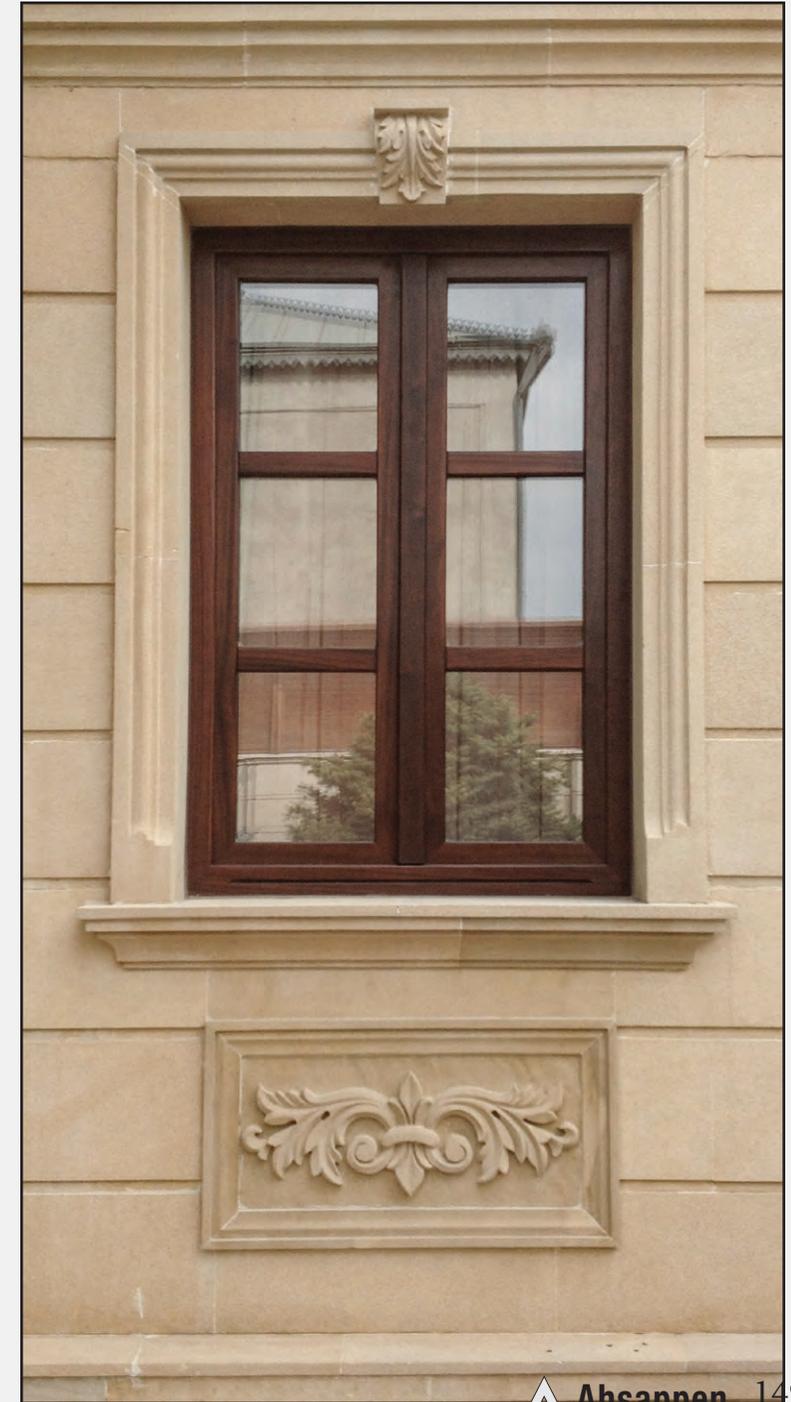
## MEETING OF STONE AND WOOD

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The building, which is one of the beautiful works of the magnificent combination of Bedamdan Limestone and Mahogany sapelli wood, was designed by ACN design. Double wing opening french type windows are complemented by decorated stone jambs made by skillful hands of Azerbaijani stone masters.

The arched entrance door part is integrated with stained glass. At the same time stained glass was used in the pool area to ensure privacy.

Mahogany sapelle tree with very high resistance to sun and salty water was preferred on this project because of windy and sunny climate of Azerbaijan. Finished with a brown-toned colorant and transparent polish, the product also breaks the coldness of the stone with its warm color and integrates the building. High thermal insulation and safety are provided with low-e controlled and laminated glasses.





150 Kemer Country<sup>No 9</sup>

Magoany windows, doors, claddings and wintergarden  
Design - PDG Architecrure  
Produce - Ahsappen & Was System

## ELEGANT COUNTRY STYLE

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One of the beautiful villas of the KemerCountry site was brought back to life by completely complying with the original details.

We produced all things with mahogany sapelli wood that can withstand humid and rainy climate of Kemerburgaz. This project was completed with white paint to preserve the originality of the building. Every product, from facade cladding to eaves turns, from windows to the winter garden, has been meticulously reproduced.

Joinery	: Mahogany sapelli
Paint	: White Ral 9016 opaque
Glass	: Double glazing with Lowe coating
Tile	: + type simulated divided lites
Facade	: Mahogany sapelli V-insert system
Fringe	: Counrty style special production front fascia board with gaps
Finishes	: Jambs, moldings and lower trim, moldings inside





## RENEWAL WITH MARVIN

The problem of our customer in this project was that his house was very disturbed by the sound of vehicles due to the road being on the side of the road.

With Marvin double hung window systems, they both got rid of maintenance and obtained very high sound insulation with laminated glass. We've made a one-on-one change to the old one.

All our customer's problems have been solved with Marvin.







#### ELEGANT MARVIN

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American Marvin Double hung window systems were used in the project. Two sash operatable double hung, screen system, special thermal insulation glazing, vasistas opening window systems facilitate the use.

Color : French Vanilla



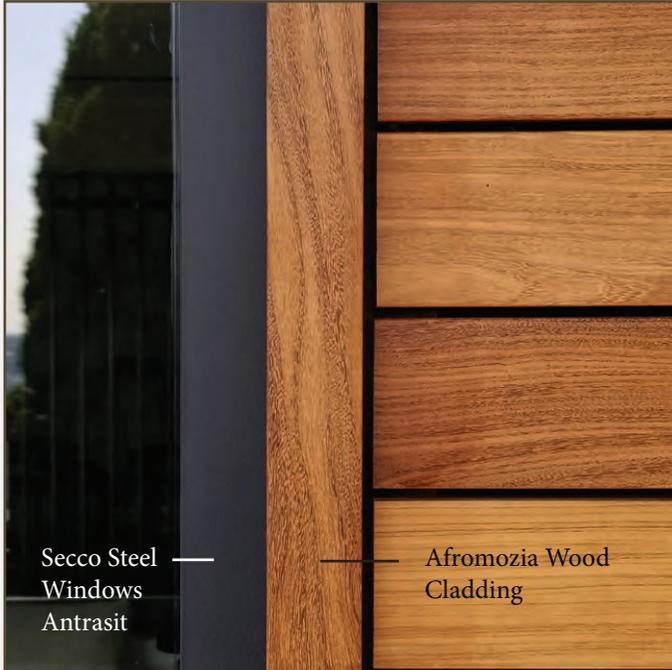


## AFROMOZIA & WOOD

This villa, designed by the Sevimli Architecture team and featuring fine details and a modernist look in every corner, is located in Istanbul Bebek.

With the beautiful color and texture of the Afromozia wood, the magnificent harmony of Secco Steel windows, of which we are representative, is eye-catching.

Hidden motorized shutter and screen system, aluminum shading system and motorized giant vasistas windows, can be used depending on automation system. The system can be controlled with the Alexa Voice Control system used for the first time in Turkey.





158 N.T.Villa Bebek / İstanbul



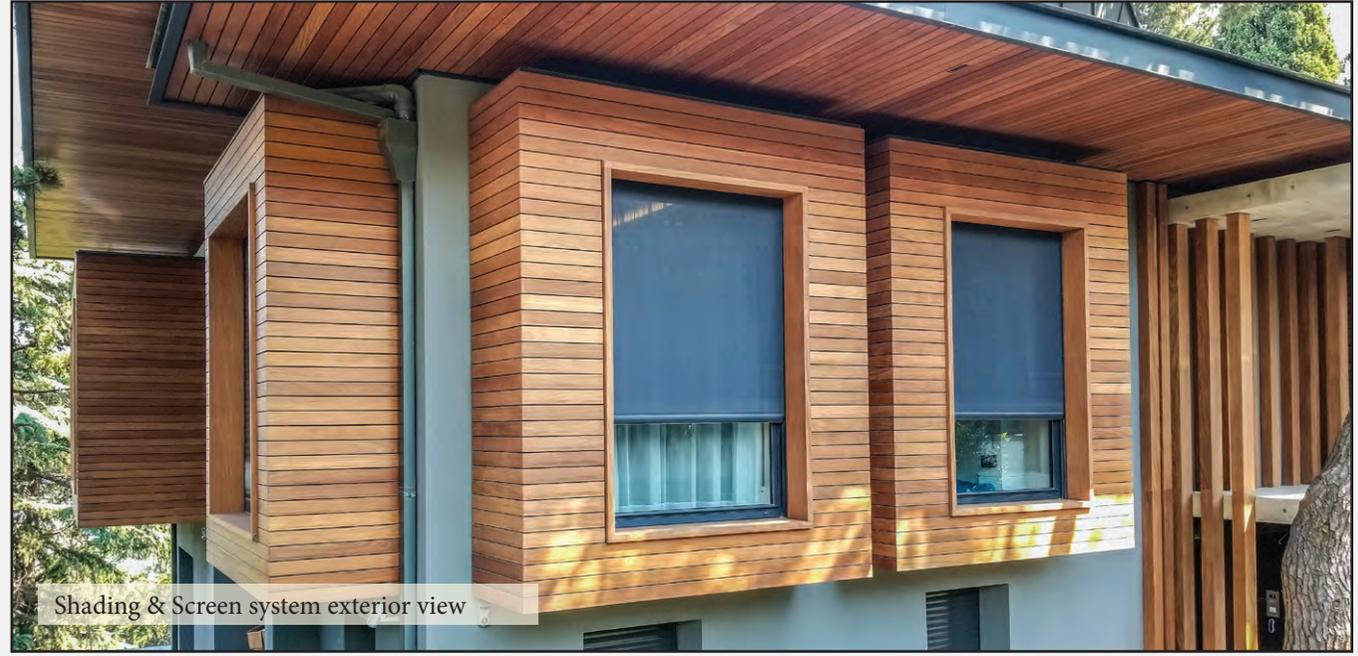
Afromozia claddings and trims  
Design - Sevimli mimarlık  
Produce - Was System

## PROJECT TO REALITY

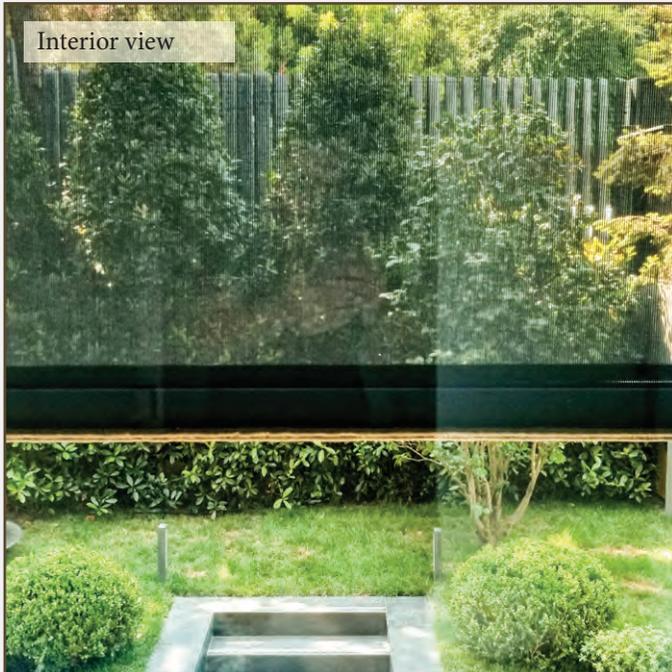
Our goal is to bring the projects dreamed up by architectural bureaus to life by blending them with the application technique.

We can coordinate lots of different work with our solution partners that we have been working with for many years and apply them as if they were out of one hand. This ensures that the result is close to perfect.

In the project; Steel window, wood cladding, fringe cladding, entrance fringe system, motorized shutter, motorized screen, aluminum sliding shading were applied.



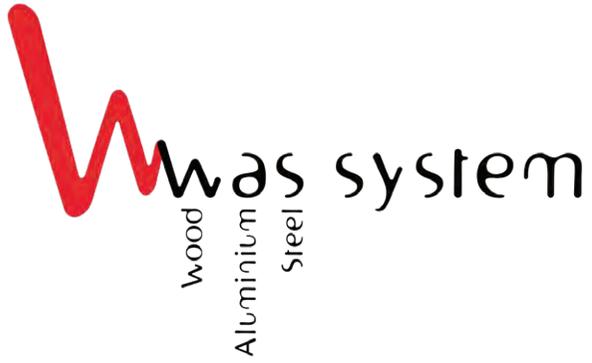
Shading & Screen system exterior view



Interior view



The motorized shading system is used as both a screen and a sunbreaking curtain. When viewed from the inside, the outside is visible, however, inside is not visible from outside.



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