



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

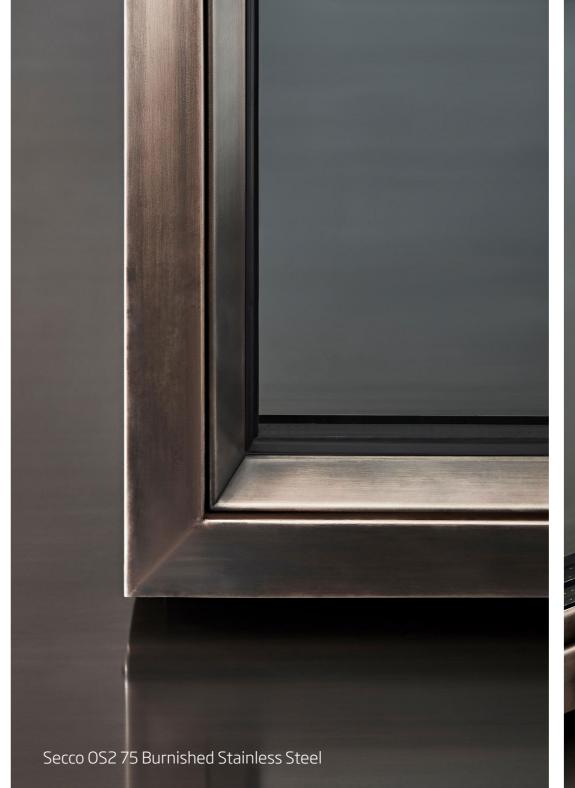
In 2019 they combined their more than 30 years of experience gained in their own companies in steel product by taking the representation of SECCO steel window and door products, an Italian design classic. Our company invested in fully automated machinery from Italy and carried automation software systems from Germany into the country, taking into account the quality of production in the European norm. Our quality certificated with ISO 9001.

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.

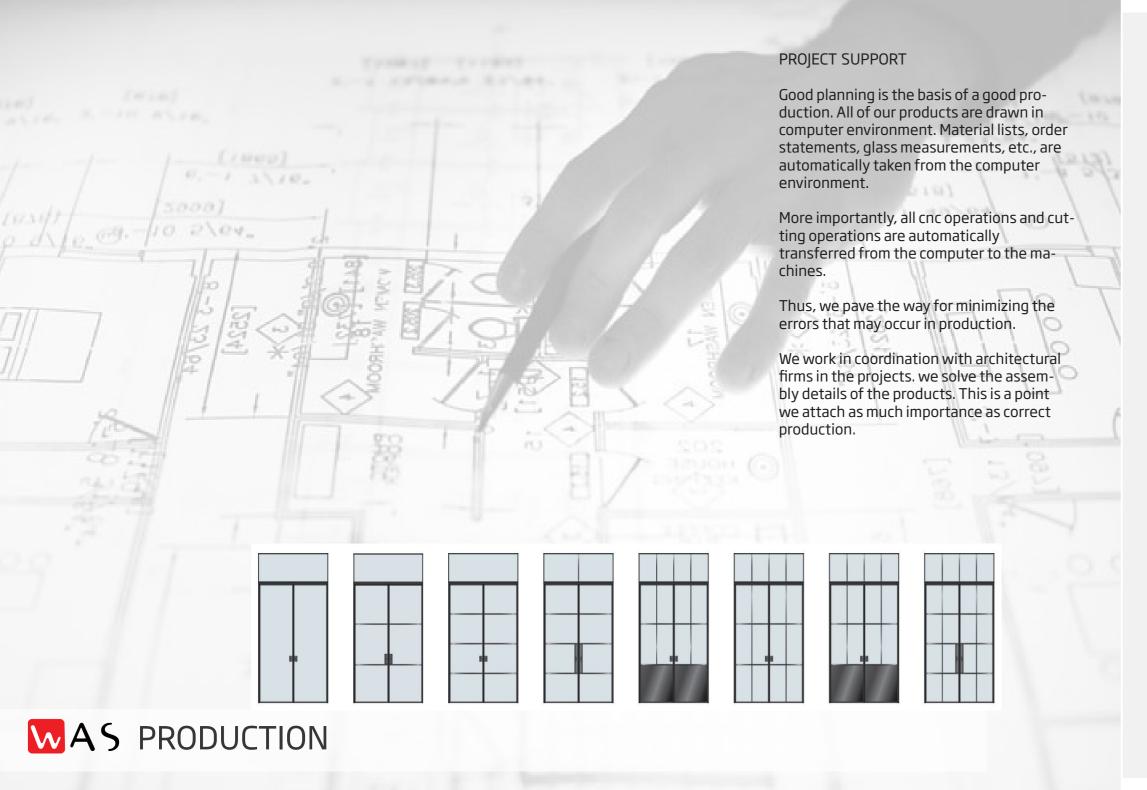












CUTTING & CNC MACHINING

We have always focused on producing the highest quality products. For this reason, we have established our factory with the best technological machine systems.

After our products are modeled on the computer, the cutting dimensions of all parts are automatically transferred to the 7-axis

servo-controlled automatic double head cutting machine and are cut with high precision according to the process sequence. A barcode is attached to each cutted product. With this barcode, CNC operations are automatically defined to the part and CNC operations are performed automaticly.

6 Meter - 7 axe servo control double head cutter

4 axe CNC machine center













WELDING & CLEANING

The products are collected piece by piece in a state-of-the-art on non-weld keep special bench.

In order to weld the galvanized steel product, the products are welded with specially produced welding machines. Our company has a machine line for all welding types to be used where necessary, including laser welding, MIG & MAG welding and TIG welding. The final cleaning process is performed on carefully collected products.







PAINT & ACCESSORT ASSEMBLING

The other best important thing is paint. Because end user always see only final product. Our company works with leading companies in their field. we carefully sanded products than cleaned of dirt and oil by chemical washing. At the end we painted Akzo Nobel Class II paint.

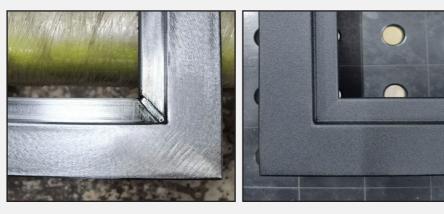
After painting, the products are meticulously controlled and passed to the accessory installing.

Finished products are packed in accordance with international package definitions. Crate protection is optionally available for our customers.

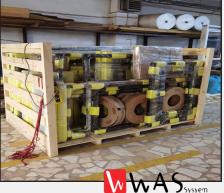
Accessorie assembling











Turkey & England Frigo case truck loading sample

WAS SHIPPING & INSTALLING

SHIPPING & TRANSPORT OPTIONS

We pack the products in accordance with the same standard, whether domestic or international. In international shipments, crates can be processed at the request of the buyer. Container or trucks can be used to ship the products.



Delivered

INSTALLNG

We have produced the perfect product, if do not assembly good enough it becomes meaningless a good production.

For this reason, we work with dedicated teams and use the best assembly and isolation materials.

If additional products such as end pieces are required, we add them.

Now wishes you to use the product in good days...











STEEL& BRASS

OS2 75

- Tilt turn window
- Casement window
- Inswing door
- Outswing door
- Horizontal pivot
- Vertical pivot
- Bifold
- Sliding





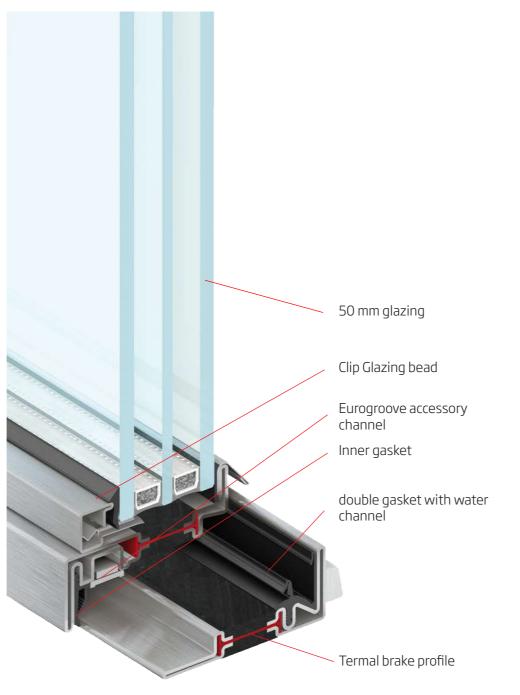






OS2 75 is part of the group of OS2 systems studied, conceived and designed by Secco Sistemi to replace the doors and windows used from the nineteenth century up to the middle of the last century. This thermal break steel window comes in an array of more than 40 profiles, with visible sections reduced to the minimum: from just 27 mm to 62 mm and 77 mm depth. The endless variations of OS2 75 correspond to the needs of an architectural project which designs the window in every single detail, calibrating the borders with care to vary harmoniously the play of light and shadow on the façades, both interior and exterior. OS2 75 offers the possibility to design different types of opening that can be freely composed in endless combinations in the glass curtain walls: the tilt & turn sash comes in dimensions of up to 130 x 290 cm with glazing panels of up to 50 mm, with concealed hinges and break-in-resistant closing mechanisms. Pivoting and hinged fixtures increase interior space with sashes of up to 100 x 290 cm, with reduced dimensions and thin, congruent section profiles. The sliding hinges, bottom and top rails are concealed when the doors are shut. The performance of the OS2 75 thermal break system has been tested by the best European certifying laboratories in compliance with the current specific

standard EN 14351-1 regulations.



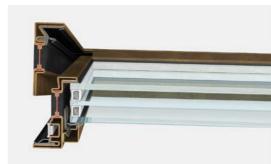
MATERIALS

	Galvanized Steel Painted	Corten Steel Natural	Corten Steel Waxed	Brass Burnished	Brass Satin	Stainless Steel Polished	Stainless Steel Scotch	Stainless Steel Satin	Stainless Steel Burnished
Material	Profiles obtained from strips of hot- rolled, galvanised steel sheet metal, skinpassed with Sendzimir finish system.	strips of corten steel, a high-resistance and self-passivating metal, so as to form a uniform layer of oxide if exposed to air which covers the sheet metal.	Corten steel with protected with wax.	Profiles obtained from strips of sheet metal of copper alloy OT67 cold-rolled and hardened to its raw state.	Profiles obtained from Copper Alloy OT67 cold-rolled and hardened to its raw state.	Profiles obtained from stainless steel sheet metal cold-rolled and industrially pre-treat- ed to guarantee maximum quality and uniformity.	Profiles obtained from stainless steel sheet metal cold-rolled and industrially pre-treat- ed to guarantee maximum quality and uniformity.	Profiles obtained from stainless steel sheet metal cold-rolled and industrially pre-treat- ed to guarantee maximum quality and uniformity.	Profiles obtained fro stainless steel sheet metal cold-rolled and industrially pre-trea ed to guarantee maximum quality an uniformity.
Alloy	FeP02 GZ 200 (zinc covering equal to 200 g/m² per face)	Fe 510 X (C max % 0,12: Si % 0,25-0,75: Mn % 0,20-0,50: P % 0,07-0,15: Cu % 0,25- 0,55: Cr % 0,30-1,25: Ni max % 0,65)	Fe 510 X (C max % 0,12: Si % 0,25-0,75: Mn % 0,20-0,50: P % 0,07-0,15: Cu % 0,25-0,55: Cr % 0,30-1,25: Ni max % 0,65)	Cu Zn 33 CW 506L (67% copper e 33% zinc)	Cu Zn 33 CW 506L (67% copper and 33% zinc)	AISI 316L Marin X2 CrNiMo 17-12-2 DIN 14404	AISI 316L Marin X2 CrNiMo 17-12-2 DIN 14404	AISI 304 X5 CrNi 18-10 DIN 14301	AISI 316L Marin X2 CrNiMo 17-12-2 DIN 14404
Standart	UNI EN 10142/3/7; EURONORM 143	EN 10149	EN 10149	EN 1652:1999	EN 1652:1999	EN 10088-2; EU 114	EN 10088-2; EU 114	EN 10088-2; EU 114	EN 10088-2; EU 114
Finishing	The galvanised support structure is prepared through the processes of de-greasing, pickling and zinc phosphate conversion coating. The final layer is applied with an oven-baked polyester	After profiling the material is immersed in special oxidising baths in order to accelerate formation of the protective layer.	After profiling the material is immersed in special oxidising baths in order to accelerate formation of the protective layer. In the case of waxed corten steel there is a further treatment with a waxy oil finish.	Burnished finish: after profiling stress relief annealing is performed and then mechanical cleansing with abrasives and subsequent burnish- ing with burnishing liquid; the profile is then rinsed and dried and	Satin finish: obtained on OT67 strips with 2B surface finish and subsequent satin-fin- ishing with 220 grit sanding.	Polished finish: obtained on AISI 316L strips (marine) with 2R surface finish, 53% reflectivity and subsequent mirror polishing.	Scotch Brite finish: obtained on AISI 316L strips, surface finish 2B and subsequent brushing with scotch brite.	Satin finish: obtained on AISI 304 strips with 2B surface finish and subsequent sat- in-finishing with 220 grit sanding.	tion with vaseline oil
				finally covered with protective vaseline oil.					W A S Sysye



WINDOW

Inswing&Tilt turn



OS2 inward opening window is an integrated system with accessories, seals and thermal break profiles 77 mm deep allowing for a wide range of windows, rectangular, shaped or curved. They can be equipped with double glazing up to 50 mm thick. The system allows for the possibility to have a tilt & turn opening mechanism.



The sealing of the door and window frames is guaranteed by a weep system with central sealing gasket and internal rebate seal. The performance of OS2 thermally insulated system has been tested by the best European certifying labs under the reference standards EN 14351-1.

- Wind Resistance Test pressure 5 Wind Resistance - Frame bending C
- Water tightness
- Acoustic Performance
- Thermal transmittance
- Air permeability
- 1,04 wm²k



Lower Section - Frame + Saash is 47 mm



Section - Frame + Sash total is 47 mm



Middle Section - Frame + Sash total is 62 mm



Mullion & Transom - 36 mm minimum



Square



Glazing beads Handles



Openings

Welded



Sphere



2 wing hinge



Tirangle

L Sphere



3 wing hinge







Concealed



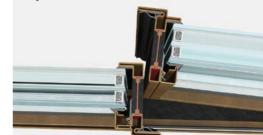


WINDOW

Outswing



OS2 outward opening window is an integrated system with accessories, seals and thermal break profiles 77 mm deep allowing for a wide range of windows, rectangular, shaped or curved. They can be equipped with double glazing up to 50 mm thick. Each solution is equipped with a related set of accessories integrated in the system.

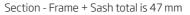


The sealing of the door and window frames is guaranteed by a double rebate seal system. The performance of OS2 thermally insulated system has been tested by the best European certifying labs under the reference standard EN 14351-1.

- Wind Resistance Test pressureWind Resistance Frame bending
- Water tightness
- Acoustic Performance
- Thermal transmittance
- Air permeability
- 1,04 wm²k









Middle Section - Frame + Sash total is 62 mm



Mullion & Transom - 36 mm minimum





Gothic

Triangle

Thin

Square

Glazing Beads Handles



Square

Sphere

Pull handle



Welded



2 wing hinge



3 wing hinge











DOOR

Inswing & Treshold & Zero treshold



OS2 inward opening door is an integrated system with accessories, seals and thermal break profiles 77 mm deep allowing for a wide range of doors, rectangular, shaped or curved. They can be equipped with double glazing up to 50 mm thick. The sealing of the door frames is guaranteed by a weep system with central sealing gasket, a three-side internal rebate seal and an automatic retractable seal under the socle or bottom rail.



Each solution is equipped with a related set of accessories integrated in the system. The performance of OS2 thermally insulated system has been tested by the best European certifying labs under the reference standard EN 14351-1.

1,02 wm²k

- Wind Resistance Test pressure
 Wind Resistance Frame bending

- Water tightnessAcoustic Performance
- Thermal transmittance
- Air permeability



Lower Section - 47 mm with gilliotine 60 mm with special treshold



Section - Frame + Sash total is 47 mm





Mullion & Transom - 36 mm minimum



Square



Welded



Triangle









2 wing hinge



3 wing hinge





STEEL DOOR Outswing WAS OS2 75 Galvanized steel with paint

DOOR

Outswing & Treshold & Zero treshold



OS2 outward opening window is an integrated system with accessories, seals and thermal break profiles 77 mm deep allowing for a wide range of windows, rectangular, shaped or curved. They can be equipped with double glazing up to 50 mm thick. Each solution is equipped with a related set of accessories integrated in the system.



The sealing of the door and window frames is guaranteed by a double rebate seal system. The performance of OS2 thermally insulated system has been tested by the best European certifying labs under the reference standard EN 14351-1.

- Wind Resistance Frame bending C
- Water tightnessAcoustic Performance
- Thermal transmittance
- Air permeability
- Wind Resistance Test pressure 5

 - 1,02 wm²k



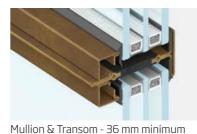
Lower Section - 47 mm with gilliotine 60 mm with special treshold



Section - Frame + Sash total is 47 mm



Middle Section - Frame + Sash total is 62 mm





Square



Glazing Beads Handles

Square



Welded



Triangle

Sphere



2 wing hinge



3 wing hinge







STEEL HORIZONTAL PIVOT WINDOW

HORIZONTAL PIVOT WINDOW



OS2 outward opening door is an integrated system with accessories, seals and thermal break profiles 77 mm deep allowing for a wide range of doors, rectangular, shaped or curved. They can be equipped with double glazing up to 50 mm thick. The sealing of the frames is guaranteed by a double rebate seal system under the



Each solution is equipped with a related set of accessories integrated in the system. The performance of OS2 thermally insulated system has been tested by the best European certifying labs under the reference standards

- Wind Resistance Test pressure 4
- Water tightnessAcoustic Performance
- Thermal transmittance
- Air permeability
- Wind Resistance Frame bending C3

42 dB 1,48 wm²k



Buttom section 62 mm



Side section 62 mm



Side section 62 mm



Mullion & Transom - 36 mm minimum



Square



Square





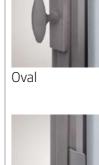
Tip 1 200 g x 130 h 100 kg

Openings



Triangle





Pull handle



WAS Sysyem

STFEL VERTICAL PIVOT WINDOW

OS2 75 Corten Steel

VERTICAL PIVOT WINDOW



OS2 outward opening door is an integrated system with accessories, seals and thermal break profiles 77 mm deep allowing for a wide range of doors, rectangular, shaped or curved. They can be equipped with double glazing up to 50 mm thick. The sealing of the frames is guaranteed by a double rebate seal system under the



Each solution is equipped with a related set of accessories integrated in the system. The performance of OS2 thermally insulated system has been tested by the best European certifying labs under the reference standards

- Water tightness
- Acoustic Performance Thermal transmittance
- Air permeability
- Wind Resistance Test pressure
 Wind Resistance Frame bending
 C3

 - 42 dB 1,48 wm²k



Buttom section 62 mm



Side section 62 mm





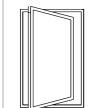
Mullion & Transom - 36 mm minimum





Glazing Beads Handles





135 g x 270 h 100 kg



Triangle







Pull handle



STEEL VERTICAL PIVOT DOOR WAS OS2 75 Corten Steel

VERTICAL PIVOT DOOR



OS2 outward opening door is an integrated system with accessories, seals and thermal break profiles 77 mm deep allowing for a wide range of doors, rectangular, shaped or curved. They can be equipped with double glazing up to 50 mm thick. The sealing of the frames is guaranteed by a double rebate seal system under the



Each solution is equipped with a related set of accessories integrated in the system. The performance of OS2 thermally insulated system has been tested by the best European certifying labs under the reference standards

- Wind Resistance Test pressure
 Wind Resistance Frame bending

- Water tightnessAcoustic Performance
- Thermal transmittance
- Air permeability
- - 42 dB
 - 1,48 wm²k



Buttom section 62 mm - 47 mm without treshold



Side section 62 mm



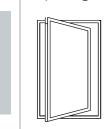


Mullion & Transom - 36 mm minimum



Glazing Beads Handles





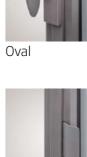
210 g x 353 h 350 kg





Triangle







STEEL FOLDING DOOR

Inswing or Outswing

World thinnest section on middle 62 mm



FOLDING DOOR

Inswing or Outswing



OS2 75 folding sashes of large dimensions up to 1000 x 2900 mm with slim profiles and seamless frame interiors. A new thermal break solution to interpret the transition from the interiors to the exteriors: the opened sashes offer reduced volumes thus increasing the interior spaces. Hinges, upper and lower tracks are concealed when the door is in the closed position.



Each solution is equipped with a related set of accessories integrated in the system. The performance of OS2 thermally insulated system has been tested by the best European certifying labs under the reference standards

- Wind Resistance Test pressure 2
- Water tightness
- Acoustic Performance Thermal transmittance
- Air permeability
- 1,20 wm²k

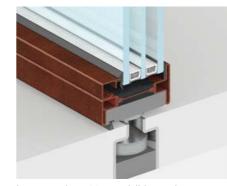
Wind Resistance - Frame bending B



side section | 62 mm visible section



upper section | 62 mm visible section



lower section | 62 mm visible section with performance treshold 77 visible section

Zero treshold system offered with double brush seal , Performance treshold system offered with 45 degree steel profile provides much better insulation.



Triangle

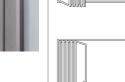


Glazing Beads Handles





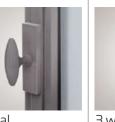
Welded



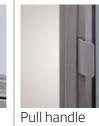
7 sash 100 kg/sash











3 wing hinge





COMBINING SPACES



Best view and glass size performance with 62 mm middle seciton



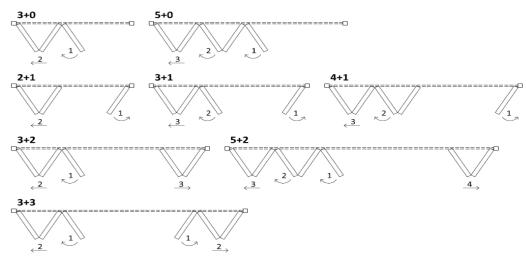
Special design handles



Optional motorized sun or insect screen



550 w x 270 h - Open and close view







STEEL SLIDING DOOR EBE 85 AS



EBE 85 AS is an integrated system with accessories, seals and thermal break profiles 85 mm deep. This makes it possible to realise lift and slide door and window frames with one to four wings of big dimensions and weight (up to 600 kgs.). They can be equipped with triple glazing up to 60 mm thick.

The sealing of the lift and slide frame is guaranteed by a four-side double seal system. Each solution is equipped with a related set of concealing accessories integrated in the system. The performance of EBE 85 AS thermally insulated sliding system has been tested by the best European certifying labs under the reference standard EN 14351-1.

 Wind Resistance - Test pressure Wind Resistance - Frame bending C

1,12 wm²k

1900x3400 / 600 kg

 Acoustic Performance Thermal transmittance Ug 0.6

 Air permeability Security

Test sash size



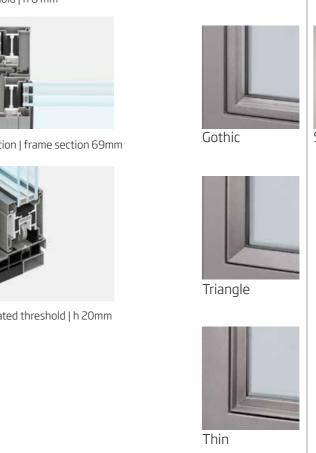
Floor rail with threshold | h 8 mm

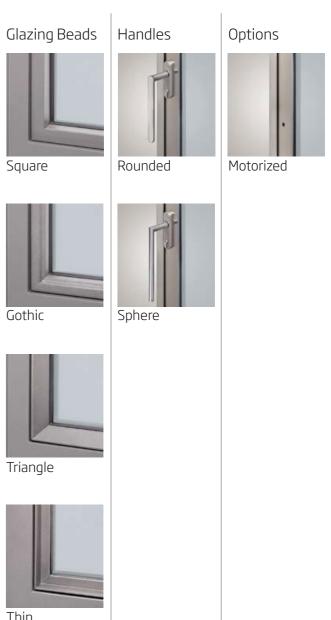


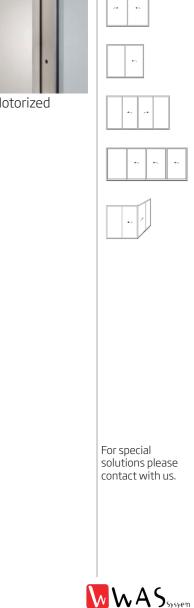
Reduced central section | frame section 69mm



Floor rail with integrated threshold | h 20mm









STEEL SLIDING DOOR OS2 75 AS



OS AS series has been developed as a sliding DOOR solution for OS2 75 and OS 65 series with thin profiles. It is very aesthetic with its 47 mm four-sided rotating symmetrical wing system. The upper case and lower case can be stored with other materials.

It is offered with two different rail systems for different sizes and weights, up to 250 kg wheeled system and 1000 kg magnetic transport system.

The performance of OS2 thermally insulated system has been tested by the best European certifying labs under the reference standards EN 14351-1.

- Wind Resistance Test pressure Wind Resistance - Frame bending B
- Water tightness
- Thermal transmittance Ug 0.6
- Air permeability
- Test sash size

1.0 wm²k

1500x2900 / 250 kg



Upper seciton - 47 mm sash + 27 mm frame



Central section - 47 mm







Buttom section 47 mm + 27 mm embeddable





Round cut



Motorized

Opsiyonlar









Test edilmiş Kanat limitleri G:1500 x Y:2900 Ağırlık: 250-1000





SÜRME DOOR - OG Magnetic



 $\ensuremath{\text{\sc G}}\xspace^{\ensuremath{\text{\sc B}}}$ is born from the combination of magnetic levitation and Secco lift and slide doors. The sliding track of the lift and slide doors is equipped with Ironlev® passive magnetic skates, which allow to keep large masses raised along a small track. The ØG® floats in the air, sliding without friction, as if they were without weight, gravity, hence the name of the ØG® "zero gravity" project.

There naturalness and power of magnets they donate, to the simple gesture of opening, to raise and slide a door of enormous dimensions, up to 1500 kg, an unexpected force, perfect, without noise, without electricity.

- Wind Resistance Test pressure Wind Resistance - Frame bending C
- Acoustic Performance Thermal transmittance Ug 0.6
- Air permeability Security
- 1,0 wm²k





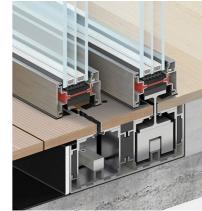
Central section - 69 mm

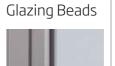


Bottom section - 69 mm sash profile with fully concealed rail system













Vitruvio round









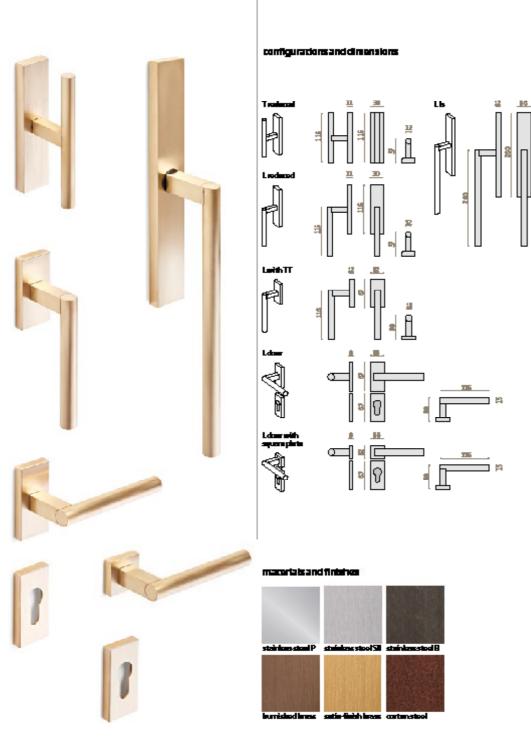


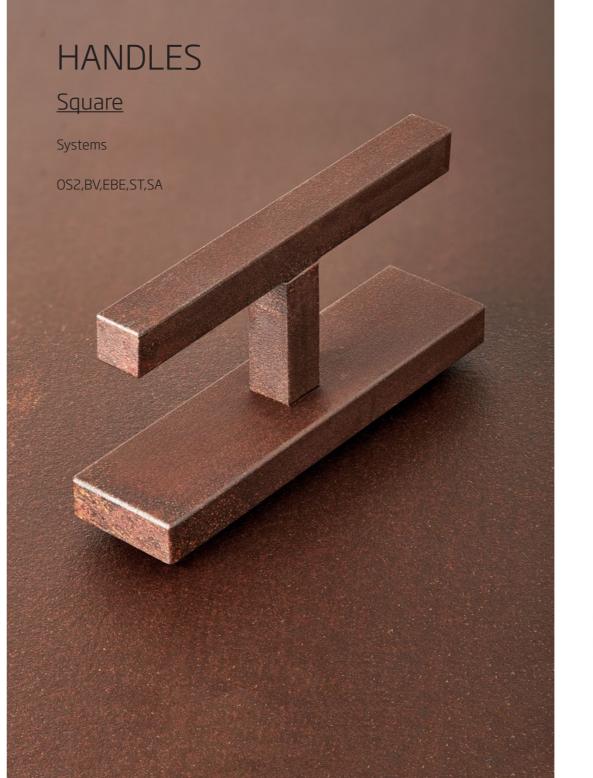


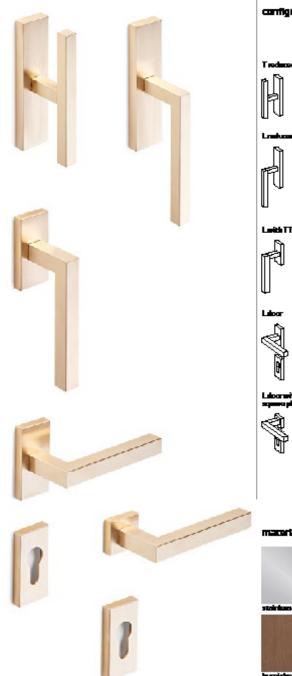




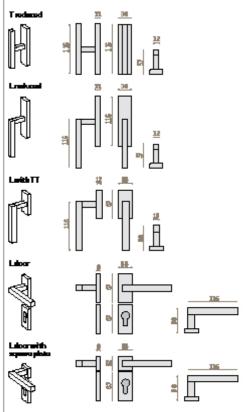
HANDLES <u>Sphere</u> Systems OS2,BV,EBE,ST,SA WAS















HANDLES

<u>Oval</u>

Systems

WAS

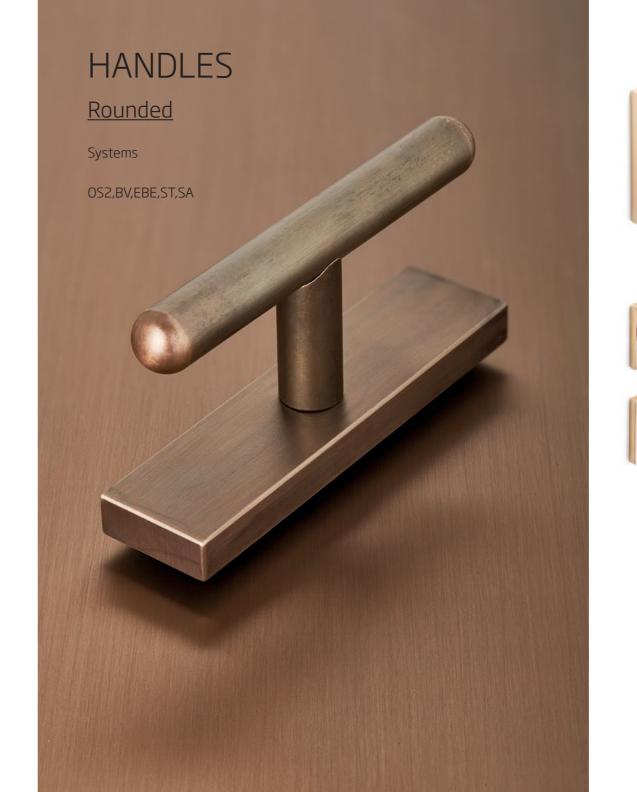




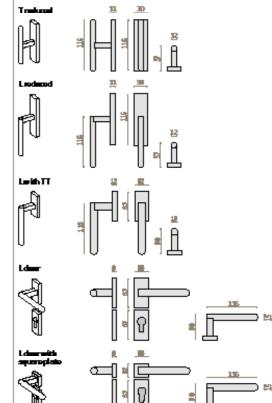


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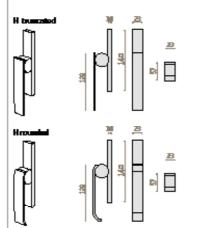




HANDLES <u>Raffaello</u> Systems OS2,BV,EBE,ST,SA WAS



configurations and dimensions



matterfalls and finishes







COMBINATION OF WOOD AND STEEL

Thoughtful details and a modernist look appear in every corner of the villa designed by sevimli architectural team.

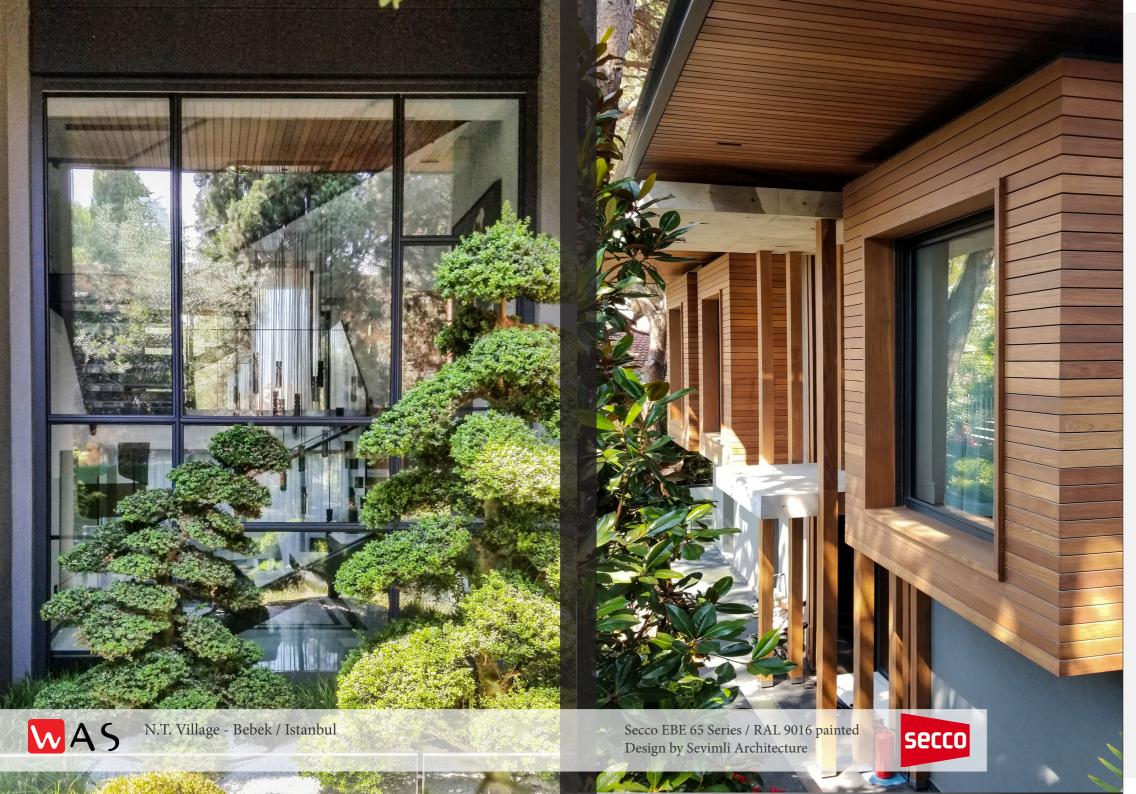
The magnificent harmony of secco steel windows Afromozia tree.

Concealed motorized blinds & fly screen system entegrated on large transom windows can be used with the automation system. The system can be controlled with the alexa voice control system, which is used for the first time in Turkey.







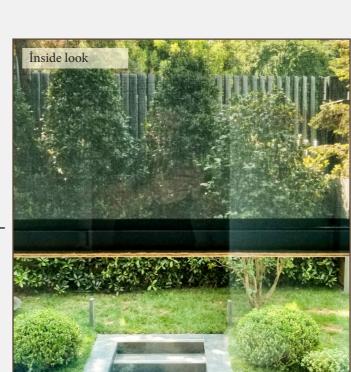


FROM DRAWING TO REALITY

Our aim is to bring the projects that architectural offices dream of by blending them with the possibility of implementation.

We are able to coordinate and implement many different products with our solution partners, with whom we have worked for many years, in a trouble-free manner. This ensures that the result is close to perfection.

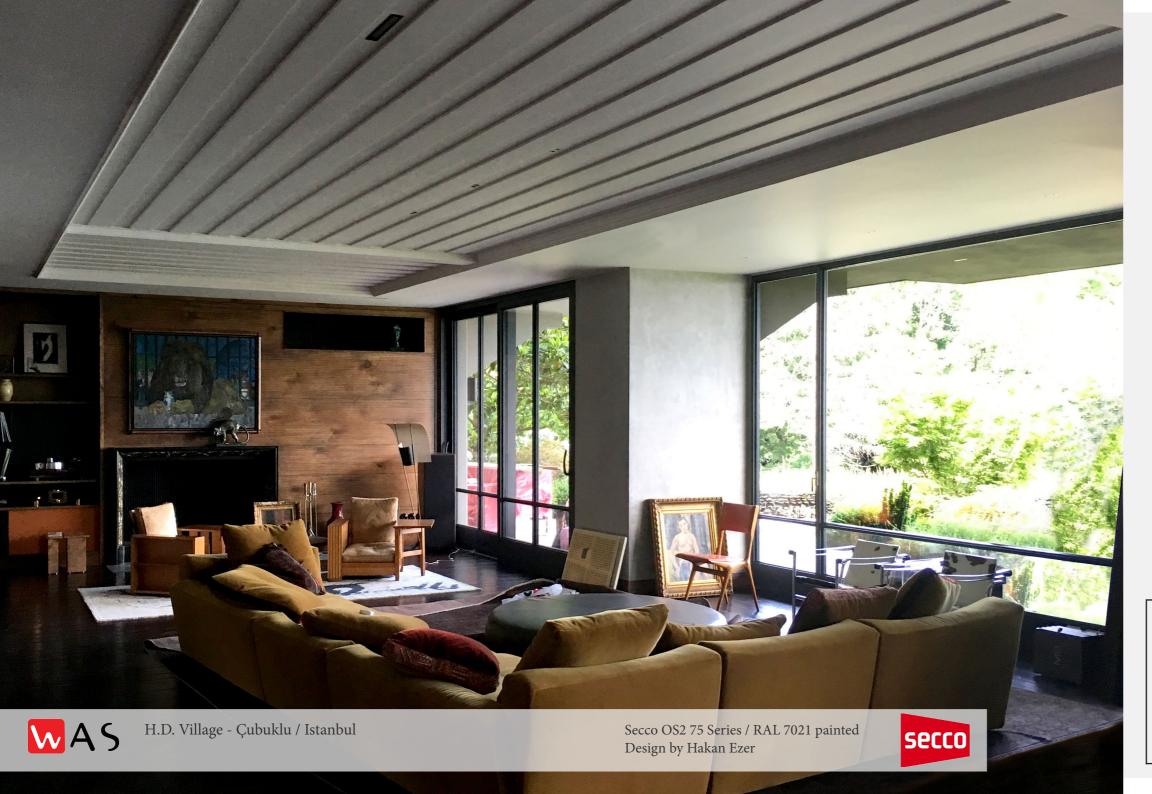
In the project; Steel windows, wood cladding, eaves cladding, entrance system, motorized blinds, motorized mosquito nets, aluminum sliding sun brokers have been applied.







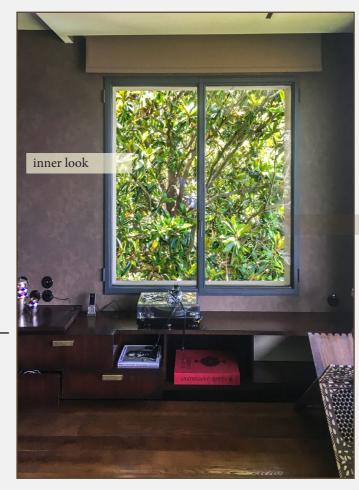
Motorized zip system is used both as mosquito net and for sunshade. The outside is visible from the inside, the inside is not visible from the outside on daylight.



REFINEMENT

The reflection of a refined taste achieved with the incredibly thin frame sash systems offered to the steel windows.

In this house, which was designed with the Hakan Ezer, a different world welcomes us at every point. With the carefully selected partitions according to the steel window, different feelings are felt in the spaces.





— French window system. It offers a tremendous visuality with its incredibly thin special mid joint system.

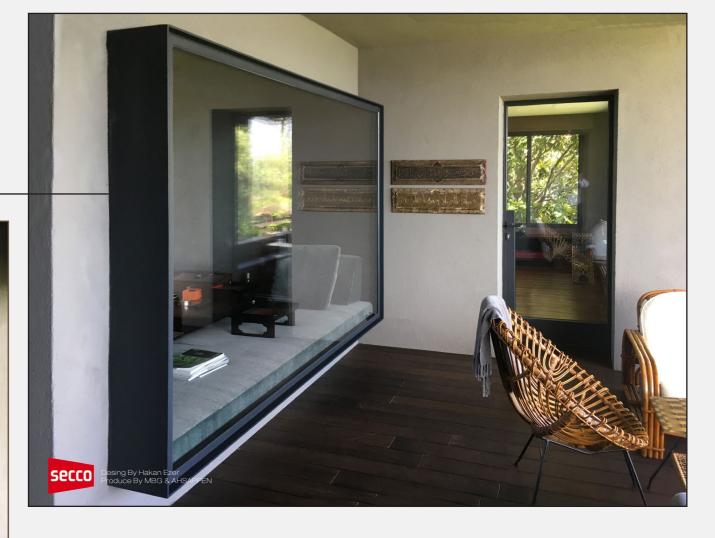


THE STRENGTH OF STEEL

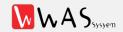
The thin steel window creates a special living space with its specially designed steel frame with a weight of 870 kg.

Another special point for us is where we turn the architect's creative perspective into reality. It is difficult to do but the result is enjoyable, every project is another adventure for us.





Steel door with kicker detail.





THIN STEEL SYTEMS

Beatiful pivot window system with 36 mm georgian bar.

Beatiful bay window with georgian bars.

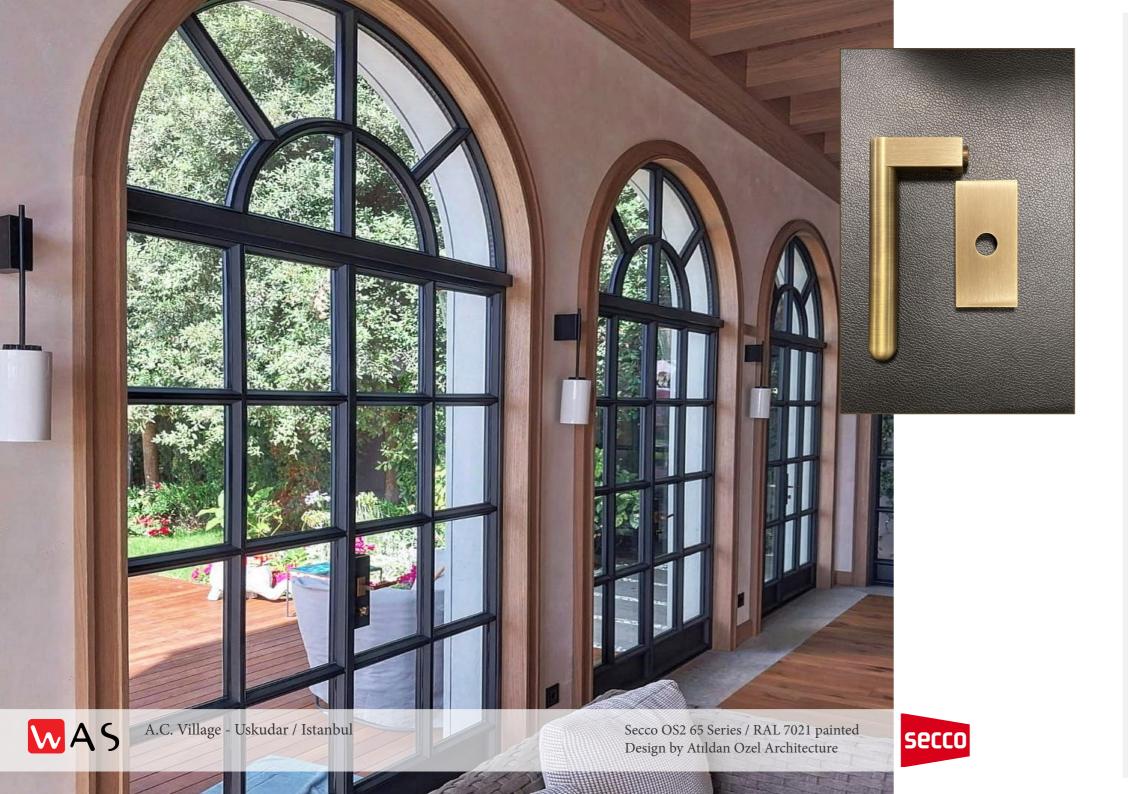






Pivot window system

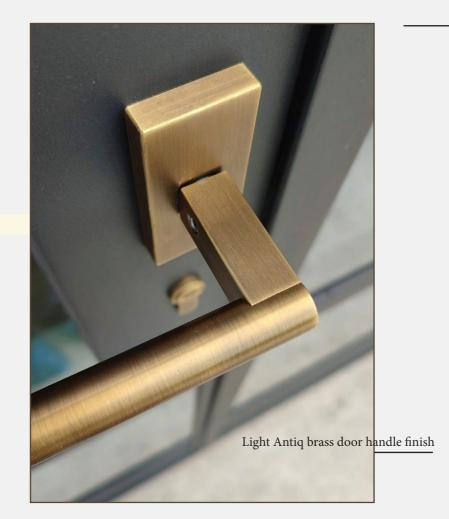


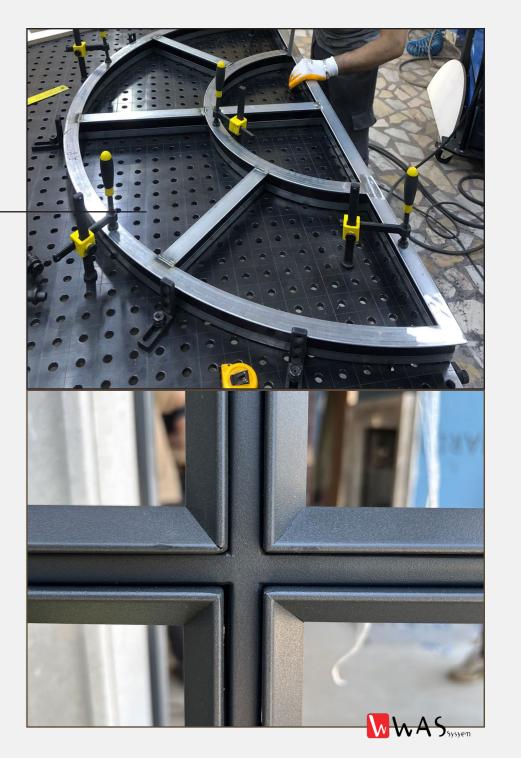


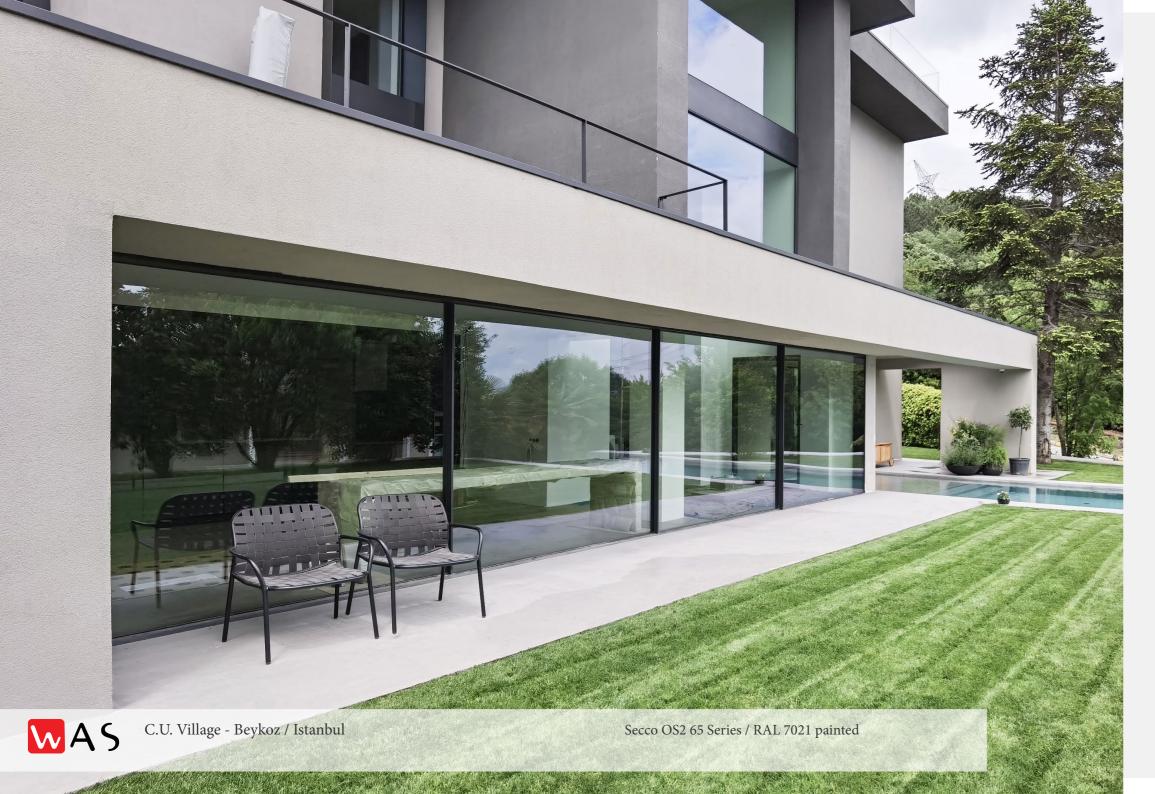
BENDED

Which was designed as a winter garden, double-wing door systems and arched upper fixed modules were used. The products, which we see the reflection of the British architectural aesthetic, finished with real brass handles.

Arched window production



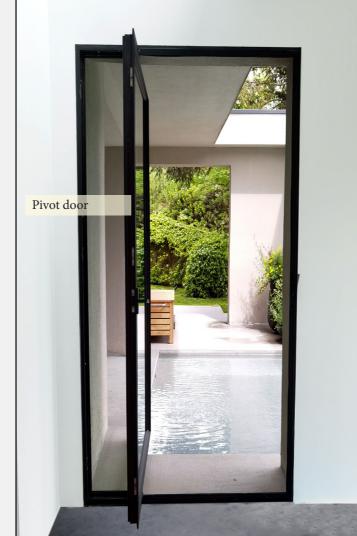




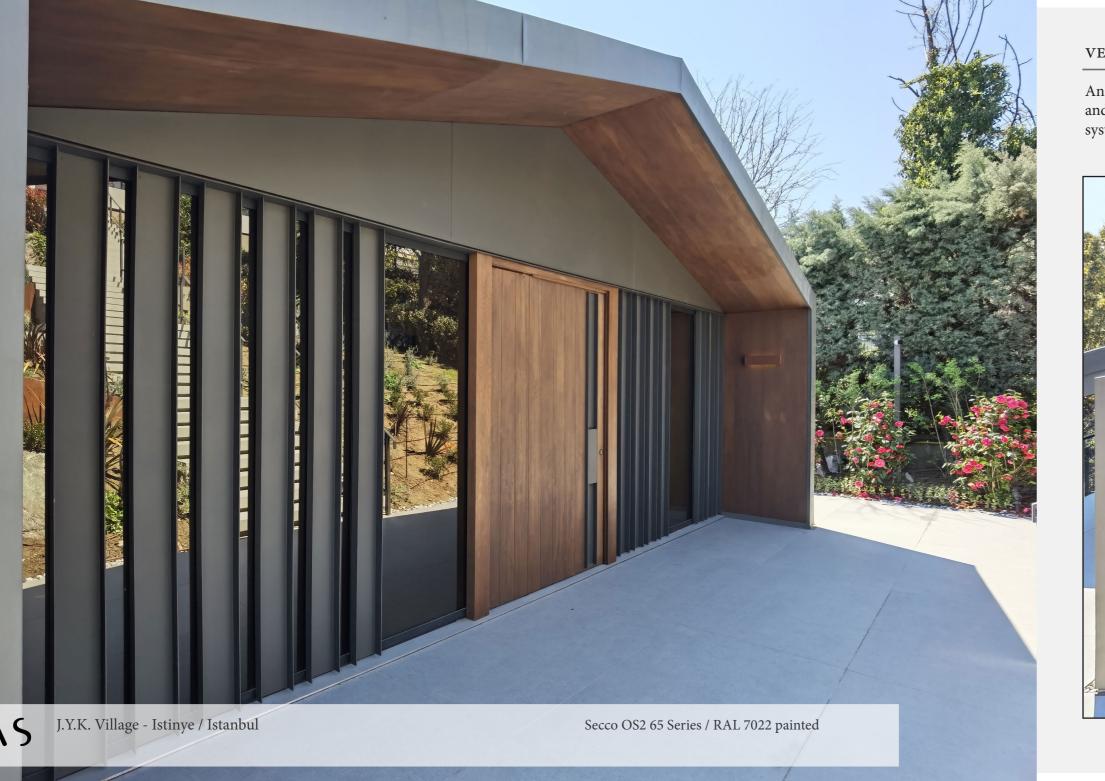
MODERNIST

An ultra-modern villa. A modern interpretation of the elegance of steel. Pivot doors & windows with 1 cm thick aluminum special jambs.

It's like a modern sculpture carefully carved...





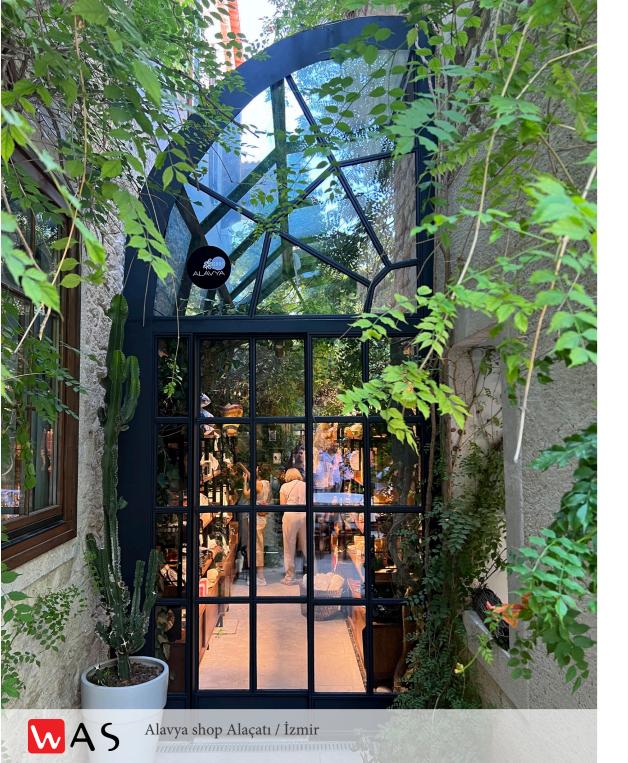


VESTIBLUE

An introductory section that is a work of art, created by the beautiful blending of steel, aluminum and wood. Steel windows, aluminum struts and the meeting of iroko wood. What a beautiful combination of metal and wood. With pivot opening door system, motorized 3-point motorized locking system.











alavyashop.com

Secco OS2 40 Series / RAL 7021 painted Design by Hakan Ezer Architecture

A LITTLE SHOP

Located between two stone buildings, this winter garden was designed and implemented in such a way that the walls do not affect the overgrown ivy.

An elegant addition to elegant buildings. Moreover, it is respectful to nature.

The elegance of steel came to life with the design of Hazan Ezer architecture and our production knowledge.

Go, make a vacation and a little shopping:)

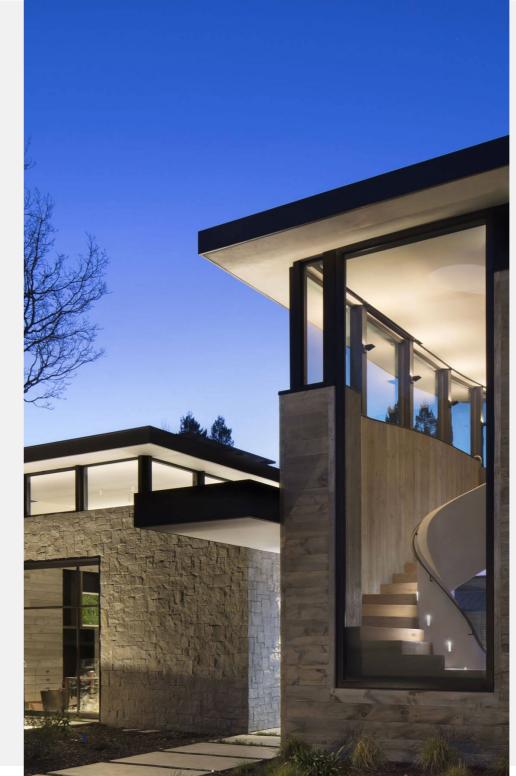
Glass roof system with steel sliding door system















WAS?

What does it mean? Wood, Aluminum, Steel. We gathered all the products together. Also this The materials work very well with each other. We know how to bring it together.





















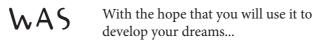
100) 10H





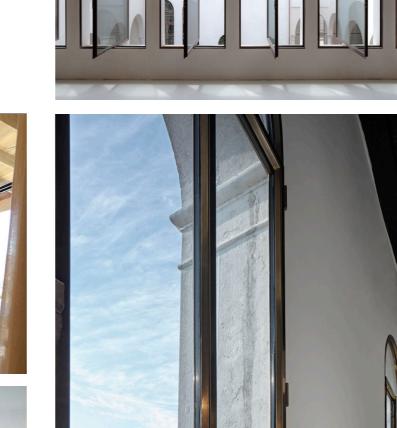






After all, everything starts with imagination...











For a project to be special, it must reflect you. You will always find a detail that will reflect your style in Secco. It will be a handle, maybe a glazing detail, material or

The extraordinary bearing strength of steel and customizability come together to create a work of art.

You thought it was just a window or door ...





We offer you products that push the limits.

The smallest detail is important to us, so we are looking for better every day.









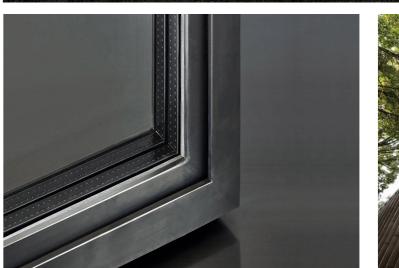












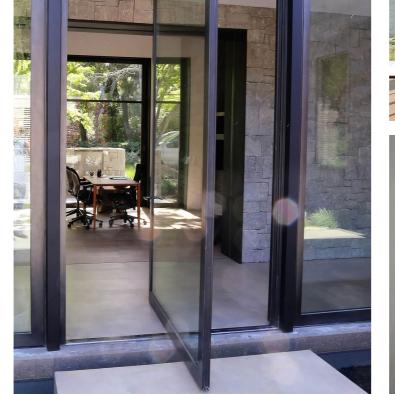


WAS To see it more delicate than delicate, or to invisible it completely...

Maybe there is nothing better for you than rough lines...

There is a system for everyone. You choose what you want to see and what you want to experience and enjoy.









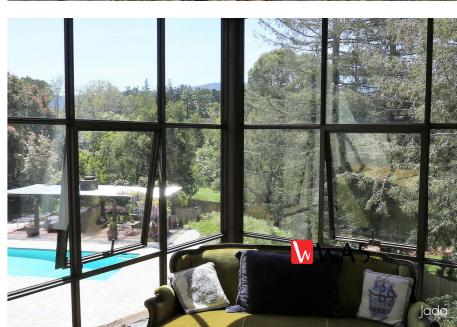


thin or thick



тодегл,





WAS?

Beauty is in the details.

That's why we take care of each of our projects o urselves.

























WAS Inşaat Sanayi ve Ticaret A.Ş.

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