

Welcome home



Rudolf Diesel Award



CE Certification



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twinDOOR reserves the right to make technical modifications and improvements to its products.

twinDOOR

Innovative Doors & Sun Protection Systems

WELCOME HOME



WELCOME HOME IN STYLE

Pamper yourself with innovations from twinDOOR. With the new CarLink you do not need to search for your remote control. CarLink is the invisible link between your car and the garage door opener. The garage door opens automatically when you drive up to your garage. It's like magic!

WELCOME TO THE PRIVACY OF YOUR COMFORTABLE HOME

Give your home an elegant, high-class and modern look. The twinDOOR Sun Protection systems provide you with a comfortable living atmosphere while using less energy. This means lower electricity bills. It also protects you and your valuables from harmful effects of the sun and the prying eyes of passersby, keeping you safe at all times!



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About Us

twinDOOR, a member of the family-run Döring Group, brings over 60 years of experience in manufacturing high quality products.

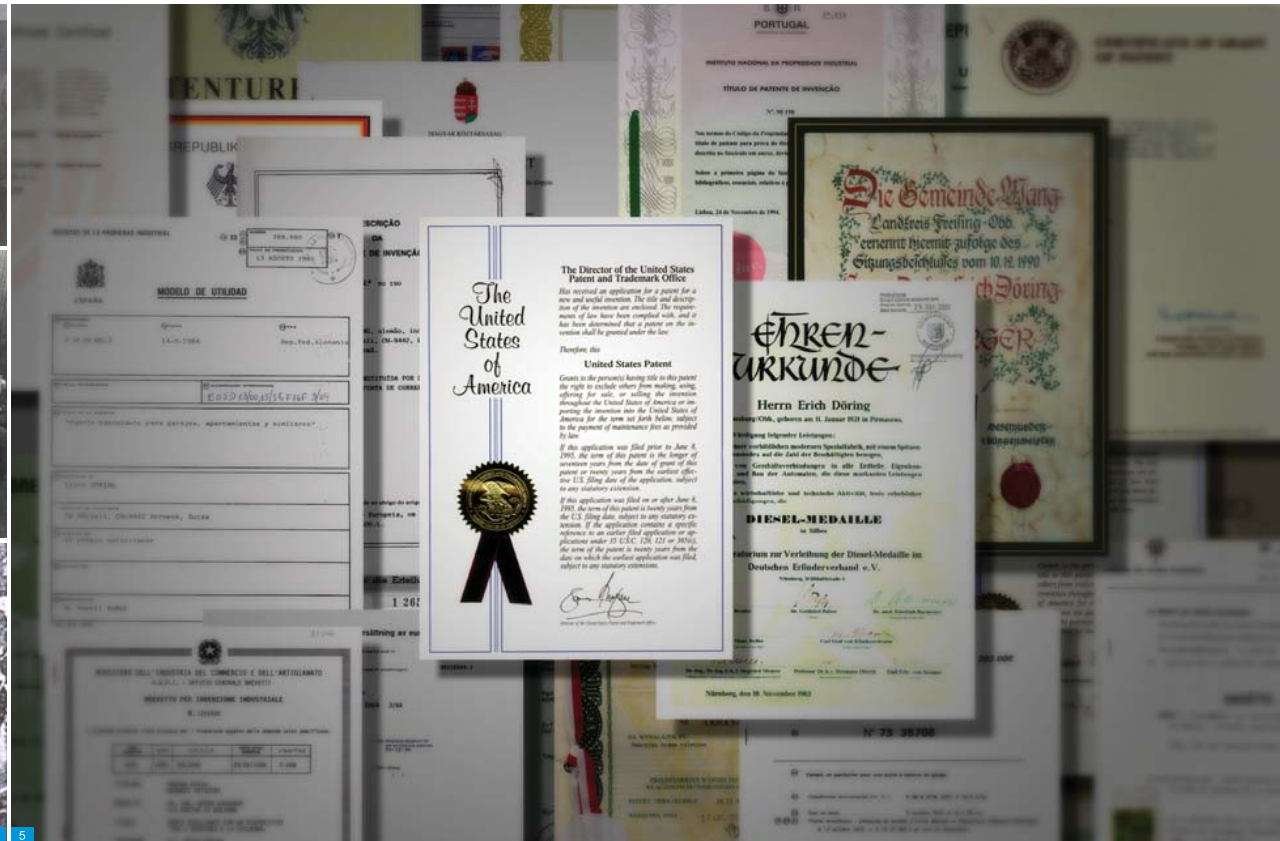
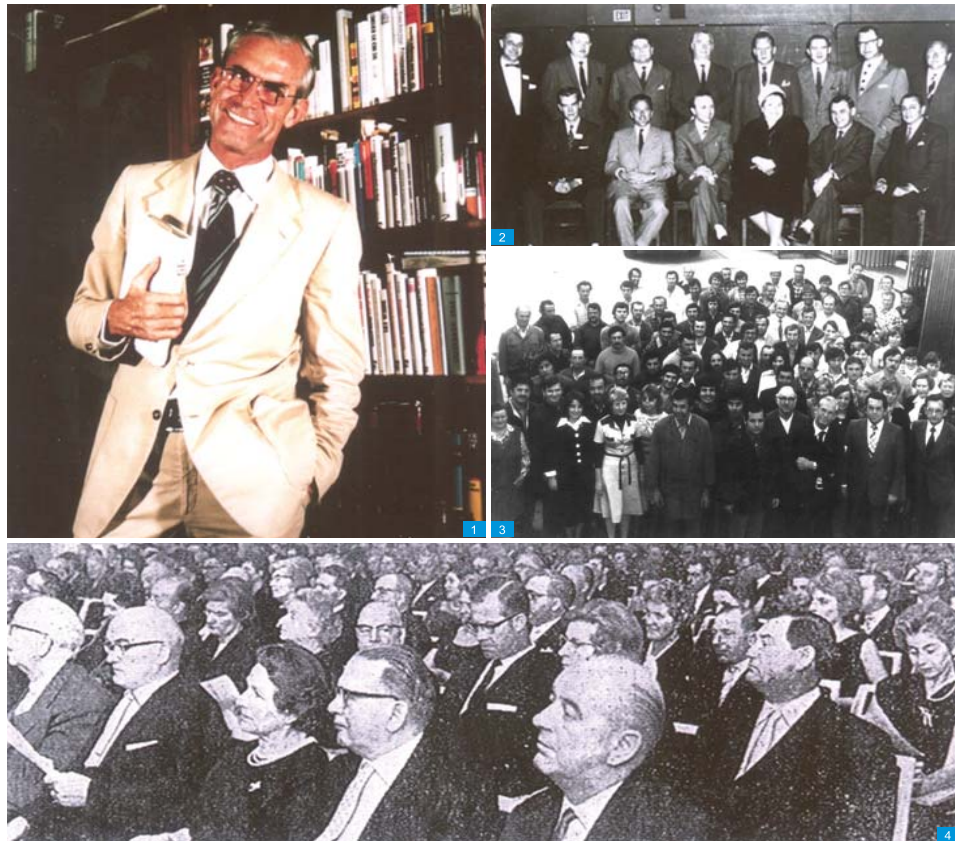
[twinDOOR products comply to CE norms and safety standards.](#)

Professional staff, leading technology and innovative solutions make twinDOOR the forerunner in the international market. More than two million customers worldwide place their trust in the products manufactured by the Döring family group.

Over 60 years of experience



twinDOOR History



twinDOOR History

For over 60 years the Döring family has focused its attention on R&D, offering you innovative garage door and sun protection systems. The Döring family has registered over 700 patents since starting its company.

The 1960s were a turning point in the manufacture of garage doors. Ground-breaking inventions by Dr. h.c. E. Döring introduced Europe to its first ever automated garage door assembly line. In 1963, Dr. h.c. E. Döring was awarded Germany's RUDOLF DIESEL Medal in recognition of his excellence in design and innovation. To this day we are proud to keep this history alive with products that you can truly rely on.

- [1] Dr. h.c. E. Döring
- [2] The twinDOOR family in the early years
- [3] Company staff with more than 10 years of experience
- [4] Dr. h.c. E. Döring at the Rudolf Diesel Invention Award ceremony.
- [5] Patent certificates

Innovative designs for a better life



twinDOOR Brand Concept



BrandConcept

Futuristic designs that create a better life, especially for you

For over 60 years, user safety, new innovative designs, energy efficiency and environmental protection have driven us to create the best solution for you.

The ability to innovate and incorporate new technology into our products gives twinDOOR a unique advantage setting us apart from the competition and winning over the hearts of our customers.

twinDOOR is committed to bringing you and your family high-quality products and excellent customer service. We strive to enhance the quality of your life with products which exceed your expectations.

High performance **guaranteed**




twinDOOR Garage Doors




 **Insulation Coefficient**
0.8W/m²°C

 **Airtightness**
12m³/m²/h

 **Wind Pressure**
Class 3/-3
EN 13241

 **Noise Insulation**
R = 21 dB

 **Waterproof**
50 PA

 **Safety**
CE-compliant
EN 12604

A first-class team

twinDOOR has invested considerable time and energy in building its design center where skilled engineers actively explore new technology and create exquisite designs. The result is evident in the beauty and practicality of our products. At the same time, our company continues to provide outstanding training opportunities for all employees. They are always there to assist you with a smile.

German quality

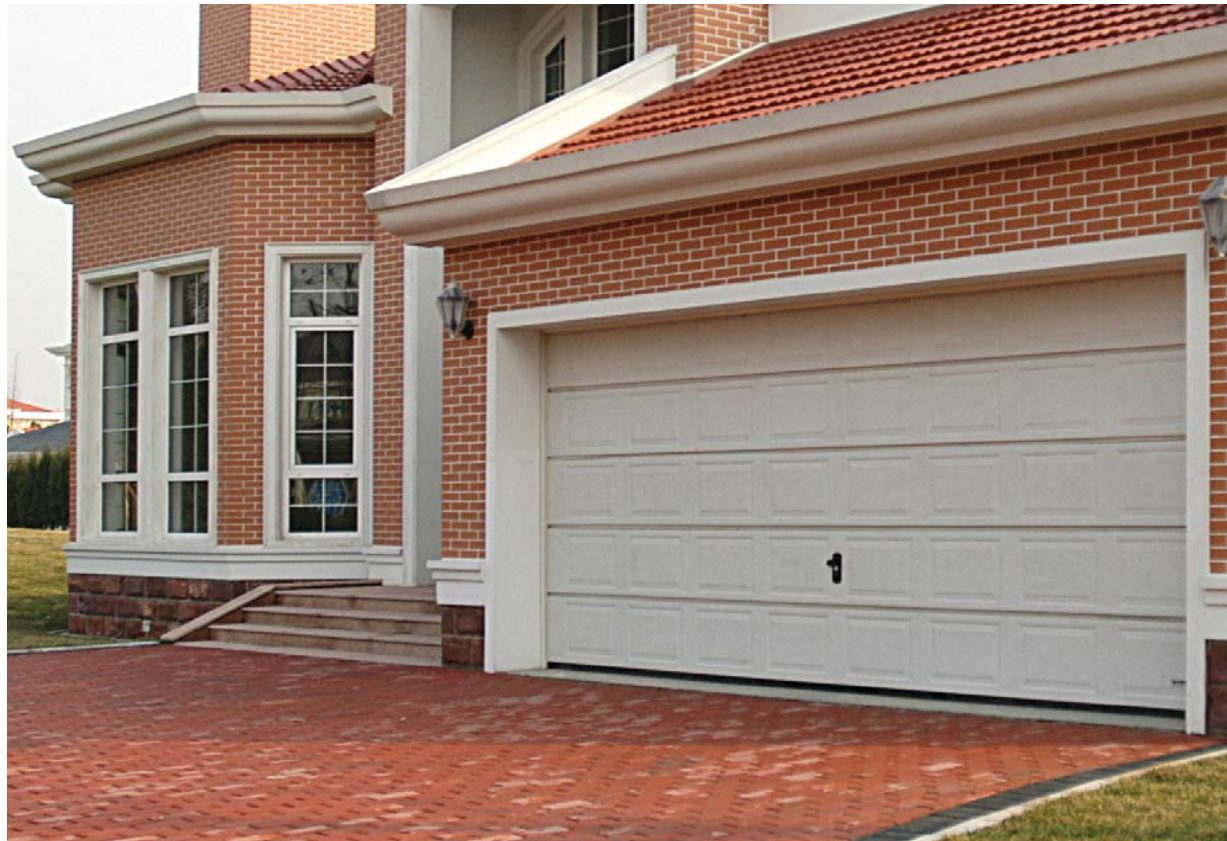
Patented technology, strict quality control and German plant equipment and machinery all contribute to the beauty and excellent performance of your garage door.



Only the best for YOU



twinDOOR Garage Doors

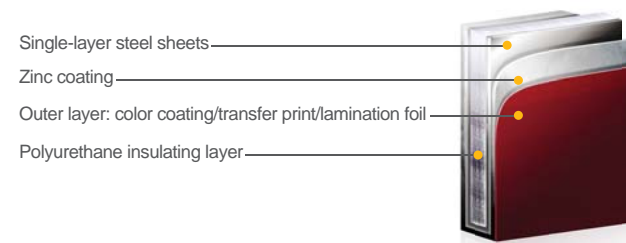


Introducing 'Your garage door'

twinDOOR garage doors are made of 40mm-thick panels. Each panel is produced using top quality, color-coated, galvanized steel sheets that surround the inner PU insulation core. Materials are carefully selected to ensure that the door protects and insulates you and your prized possessions from noise and heat coming from outside. The result is a sturdy and stylish garage door that complements your home.

Tailored to suit each individual garage entrance, the garage doors are carefully designed to fit perfectly, resulting in a garage door in complete harmony with your home.

Panel Structure:



Be Classic: COLOR Panels



twinDOOR Garage Doors



RAL 7016 - Anthracite grey



RAL 9006 - White aluminum



RAL 9016 - Traffic white



RAL 8014 - Sepia brown

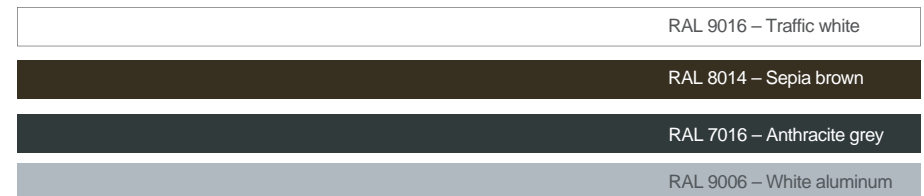


COLOR Panels: A variety of classic and elegant colors are available for your door.

High quality powder-coated steel sheeting is used to achieve an attractive finish. Depending on the size of your garage door, different steel thicknesses are used to strengthen the panels. The color is protected against harmful UV rays and can withstand harsh climates. Only materials of the highest quality are selected for your door.

You can choose from among four exciting, popular and attractive standard colors. You will be proud to park your car protected by a twinDOOR garage door.

Standard colors:



Customized colors are available on request. Contact your twinDOOR representative for more details. The colors in the catalog are for reference only, and may differ slightly from the actual colors.

Be Stylish: PRINT Panels



Red Cherry



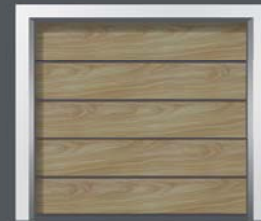
Black Cherry



Dark Oak



Maple



PRINT Panels: If you desire to be different, the PRINT series is the right choice for you.

UV-resistant wood designs are processed onto galvanized steel sheets to produce a beautiful garage door. PU insulation between these sheets provides stability and insulation.

Let your personality come alive with the PRINT series. Each door in this series can be custom made to fit the garage door opening of your home. Driving up to your garage was never this engaging.

Standard colors:



Customized colors are available on request. Contact your twinDOOR representative for more details. The colors in the catalog are for reference only, and may differ slightly from the actual colors.

Be Different: DECO Panels



Golden Oak



Dark Oak



Walnut



Mahogany



DECO Panels: Luxurious garage doors with laminated panels

Is your home ready to be decorated with a DECO Panel garage door? The highest quality UV-resistant foil with wood prints is used to laminate the galvanized steel sheeting. The panels made using this technology are aesthetically pleasing. They look better and last much longer than real wooden doors.

The garage door is an integral part of your home. Why not decorate it as well and increase the value of your home. It's a chance for you to be among the few homeowners that truly stand out.

Standard colors:



Customized colors are available on request. Contact your twinDOOR representative for more details. The colors in the catalog are for reference only, and may differ slightly from the actual colors.

Be Artistic: Let your creative side shine through



ART Panels: Add personality to your door with decoration from our ART section.

Choose from a variety of designs to personalize your garage door, making it dynamic and striking.



Our team can assist you in selecting a decorative element. The designs can be customized according to your individual taste and also increase the value of your home. You can also choose from an existing range of artistic enhancements for your door.

Distinctive Panel Designs



twinDOOR Garage Doors



LINE Design



Uniformly spaced horizontal lines will compliment any kind of house exterior. A choice of one or three lines on each panel is available.

STYLE Design



Simple and elegant – the STYLE Design is a plain panel with our refined wood-grain pattern.

Distinctive Panel Designs



twinDOOR Garage Doors



WAVE Design



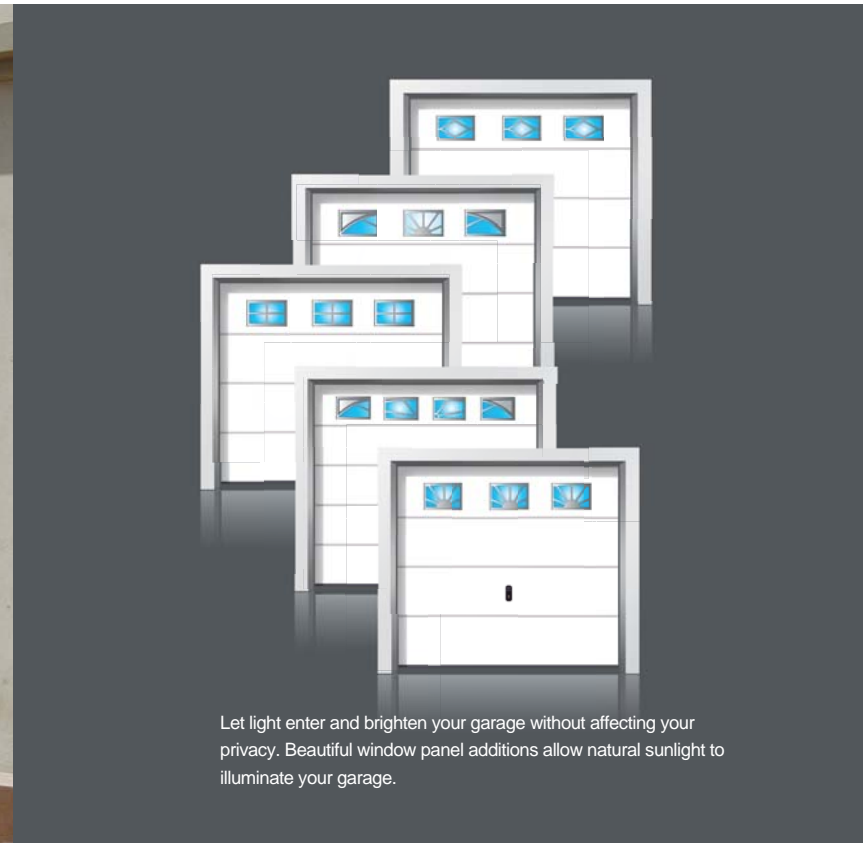
The most recent addition to our panel collection gives you a refreshing new idea for enhancing the appearance of your garage door. Suitable for modern architecture, the crisp new design improves the appearance of your garage entryway with fine cut lines.

CLASSIC Design



The classic panel design will never go out of style. Cassettes are evenly spaced along the panel based on the width of your door. Create perfect harmony between your garage door and your home.

Stylish Windows



Let light enter and brighten your garage without affecting your privacy. Beautiful window panel additions allow natural sunlight to illuminate your garage.



Cross



Radiance



Diamond



Sun rise - 3



Sun rise - 4



Sun rise - 6

5

3 reasons to include a set of windows in your garage door:

1. Add style and character
2. Brighten your garage
3. Create a view

6

A personalized garage sets you apart, so take this chance to add some personality to your home.



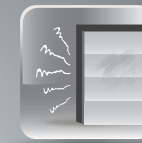
A leading technology pioneer with over 700 international patents.



The ongoing efforts of our research and development team make twinDOOR a leader in its field. With over 700 international patents, you can be sure that twinDOOR's innovative solutions feature products of superior quality.



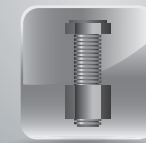
Design



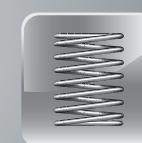
Silent Operation



Long Life



Safe & Secure



Well Balanced



Perfectly Aligned

Design

German precision is used at every stage from design to installation. Each twinDOOR garage door is customized to fit the garage door opening. Installing garage doors has never been this easy. The unique frame of our garage doors ensures perfect installation. With twinDOOR, you will enjoy a flawless garage door.

Long Life

twinDOOR garage doors are tested to successfully operate for over 90,000 cycles. Only the highest quality materials are used to produce the doors. You can confidently say that twinDOOR garage doors will serve you for a long time.

Silent operation

High quality bearings are used for all movable parts. Be the first to have a door that glides virtually noiselessly.

Safe & Secure

Your security is our top priority. That is why at twinDOOR we strongly emphasize making our products safe and secure for you and your family. Each part of the door is secured in place with high-quality materials. Add an optional additional lock to your door to make it even safer.

Well Balanced

The door frame of the twinDOOR GD LUX series is designed to enclose the balance springs on either side, protecting them from the elements. The concealed balance springs are easy to install, convenient to maintain and protect against accidental injury.

Perfectly Aligned

Rails are designed to steer the new rollers on each side. The rails guide your door smoothly; making sure it never goes off track.

Your Safety: our greatest responsibility



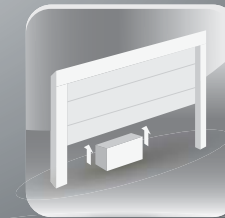
twinDOOR Garage Doors



Manual Lock



Finger Protection



Automatic Reverse Function



Garage Door Openers

Finger Protection

twinSAFE, our patented finger protection featured in twinDOOR products, is also designed to increase the insulation between panels and protect your garage door from external elements such as dust and foul weather. Our patented horizontal finger protection strips on the GD LUX add an elegant touch to our doors. Just as a shirt is incomplete without a tie, a garage door is incomplete without twinSAFE.

Manual Lock

twinDOOR designed a special lock which is most convenient during manual operation. It conveniently lets you open and close the door from in - and - outside by hand.

Garage Door Openers

Operate your garage door effortlessly with a twinDOOR garage door opener. Advanced German technology is combined with unique designs for operating any size of garage door. Remote access allows you to operate your door from the comfort of your car.

Automatic Reverse Function

If there is an obstacle in the path of your garage door as it closes, it will automatically stop and re-open. This obstacle could be your child, your pet, your car or something valuable. You can also add twinDOOR's optional infrared cell to prevent the door from even touching the obstacle.



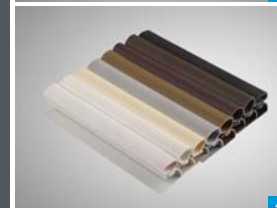
1



2



3



4

Hardware: twinDOOR garage door hardware is made from high-quality galvanized steel. Its quality is checked in a salt spray test.

[1] Rollers: The rollers on each side are tucked away and hidden from view.

[2] Cable: Designed to carry a weight of about 2.2 tons, this strong cable is the best connection between the door and the spring balance system. The cables, a crucial part of a garage door in operation, are dimensioned at approximately 20 times the weight they actually have to carry. More safety for you.

[3] Hinges: Unique to twinDOOR is the flat design of each galvanized steel hinge. Embedded in the panels, the hinges blend in with the surface of the door. The design of the flat hinges reduces errors caused by improper installation. Increase the value of your door by adding stainless steel hinges – an elegant option.

[4] twinSAFE: Patented finger protection between each panel is made from EPDM, a rubber mostly used in the automotive industry and widely known for outperforming ordinary PVC.

Every detail is considered when creating and designing this unique door for you.

We are one step ahead in bringing you a future that is even more safe and secure.



twinSAFE – Patented finger protection

Our internationally patented twinSAFE finger protection is resistant to UV radiation and does exactly what it promises to and more. In addition to protecting your fingers, it also seals your door from external factors such as weather, dust and vermin.



Cable Safety Device (CSD)

Increase the safety of your door with our Cable Safety Device. It is designed to latch onto the rails if the cable should break. Deployment of the safety device is very rare in the case of twinDOOR garage doors, but it is always important to be safe.



Ergonomic Handle

The elegant black door handle along with its security lock is more than just an eye-catcher. It is part of a closing system with double lock bars, a feature available with all twinDOOR garage doors. When required, you can open and close your garage door easily from the outside or inside. The lock is also connected to the opener. If there is a power outage, you can use this handle to conveniently uncouple the door from the opener and operate your door.



Extension Spring Balance System

The GD LUX is supplied with an easy-to-install multiple spring package made from high-quality spring steel. There are up to eightsprings for balancing the weight of the door. In the unlikely event that one of the springs break, the weight of the door can be supported by the other springs. The springs are concealed from view by a protective cover ensuring your safety at all times.

twiNDOOR – GD ECO Series



twiNDOOR Garage Doors



[1] Torsion Spring Safety Device

The Torsion Spring Safety Device is an optional feature of the GD ECO. In the improbable event of a spring failure, the torsion spring safety device locks the door in position, keeping you and your valuables safe from accidental damage.



[2] Nylon Rail Curve

The nylon rail curve ensures a smooth connection between the horizontal and vertical rails. At the joint with the steel rail, it encloses the rails from three sides to make sure that no installation errors are possible, reduces noise during operation and increases the life of the rollers by reducing friction.



[3] Integrated Finger Protection

Your safety is our main concern. The panels of the GD ECO garage door are designed and manufactured with integrated finger protection, completely eliminating the possibility of injuring your fingers.

The widest residential garage door – up to 8 meters in width.

The GD ECO sectional overhead garage door is the first of its kind. With a production width of up to 8 meters, this door is suitable for any kind of garage. Reinforcements on the door panels provide extra support to wider panels. The torsion spring balance system is the most suitable for this garage door. The panel design incorporates finger protection between panels. The GD ECO requires less installation space, allowing you maximum use of your garage.

Bringing You the Best Quality

The salt spray test is a standardized method for checking the corrosion resistance of galvanized steel components. Only those parts that pass the salt spray test are used in twiNDOOR garage doors.

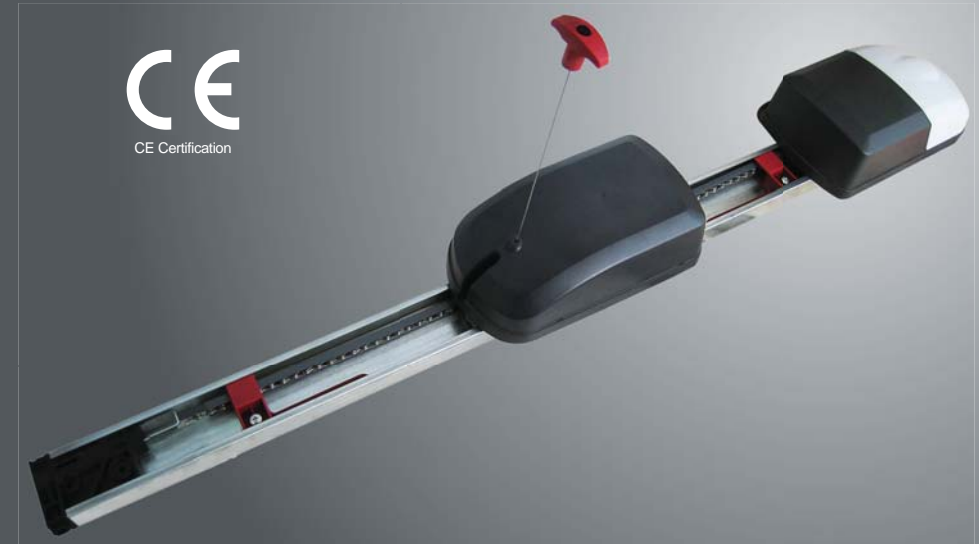
Side Frame

Another special feature of the GD ECO is the side frames. Made from robust galvanized steel sheeting, the side frames make installation simple. The elegant sleek frames on either side of the garage door enhance the door's interior appearance and conceal the rails.

twinDOOR's Operator Series: Opening doors safely



twinDOOR Garage Doors



Intelligent Openers

Children are quick on their feet and always on the move. Their curiosity to learn new things and explore makes it impossible to keep an eye on them at all times. With our range of intelligent openers, your children will be best protected – even when a garage door is in motion.

Let us look at an example. You come home from a day out with your child. At the very moment the garage door is closing, your child remembers that a beloved stuffed animal is still in the car. Wanting to retrieve it, the child runs back into the garage and there is not enough time for you to stop the door with the remote control. Don't worry – your twinDOOR intelligent opener will automatically re-open the door, keeping your child safe from harm.

twinDOOR's intelligent openers have a built in auto reverse function. If an object is detected in the door's path the motor will stop the door from closing and then re-open it, preventing any accidents or injury.

You can also add an infrared sensor to the opener. Blocking the sensor beam will stop the garage door from closing and re-open it.

All twinDOOR garage door openers are CE-certified. Patented technology used in our garage door openers offers you and your loved ones maximum safety at all times.

Digital programming makes errors impossible. The opening and closing speeds of the motor can be adjusted. A courtesy light keeps the garage interior illuminated. With the optional wireless wall switch you can comfortably operate the door from inside. An optional wireless Key-Lock on the outside is a convenient addition to allow you to open the door from the outside without key or remote control. The newest addition is twinDOOR's CarLink system, which allows you to drive into your garage in style.

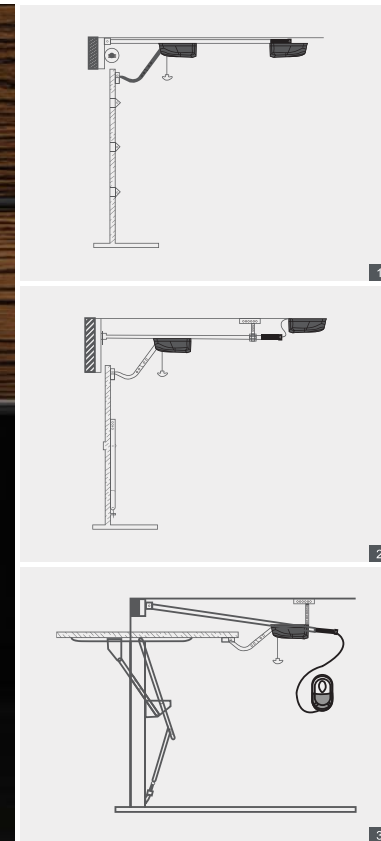
Tested to keep on working for over 90,000 cycles, the Openers will serve you faithfully for a very long time.

twinDOOR | 3233

Intelligent Openers



twinDOOR Garage Doors



Three different control box mounting methods:

Classic installation

[1] In this case, installation space is sufficient and the control box is mounted on the opener rail.

Side Installation

[2] When installation space is limited, the control box is mounted alongside the opener rail

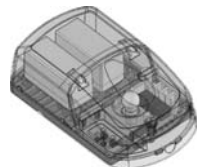
Wall Installation

[3] When power supply is not available on the ceiling, the control box may be mounted near a power source. The optional cable extension kit will enable you to complete the installation.

Two different power supply options:

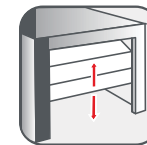


Transformer
T6/TX6/TX8/TX15

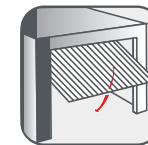


Battery Powered
BX 8

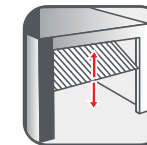
twinDOOR TX series Openers can be used on the following types of doors:



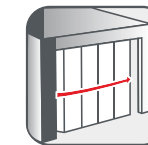
Sectional Garage
Doors



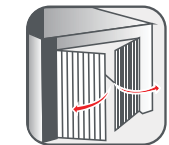
Canopy Tip-up
Doors



Retractable
Tip-up Doors



Side-opening
Sectional Doors



Barn Swing
Doors

twinDOOR intelligent Openers: TX series



twinDOOR Garage Doors

Limit Switch

1:1 ratio mechanical limits will never shift and cannot be affected by power outages or power spikes—two of the many events which plague openers with electronic limit systems.

Opener Rail

Zinc-plated for maximum protection and precision-rolled to ensure perfect shape and maximum strength for the life of the product.

Motor

The TX/BX series of twinDOOR motors are the only DC motors in the world specifically designed to be used in the automatic operation of garage doors. Traditional DC openers use a car windscreen wiper motors. The twinDOOR motor is the only DC motor of its kind offering two roller bearings on the drive shaft.

Chain Tensioning

Over-tensioned and under-tensioned chains are now a thing of the past. No more guesswork — simply tighten the chain tensioning bolt until it aligns with the arrow tip and the tensioning springs will take care of the rest.

Release Handle

Ergonomically designed for comfortable use, the release handle succeeds in combining form and function in one stylish package.

Easily Accessible Controls

Open the hinge type light cover to expose color-coded and clearly labeled controls and connections. No other comparable product combines such functionality and user friendliness.

Engineering Plastics

The complete operating system consists of no fewer than five different types of engineering plastic. Each compound has been specifically selected to provide strength, longevity and aesthetic appeal.

Mounting Block

Why adapt the garage to suit the opener when you can adapt the opener to suit the garage? The sliding mounting block can be positioned within a fore and aft range of 750mm to align with an appropriate fixing point in the garage.

Chain

Nickel-plated for ultimate corrosion resistance, the unique stationary chain eliminates all the "rattle and clank" normally associated with conventional chain drive systems.

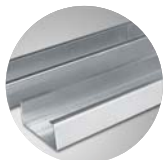
Release Mechanism

The release mechanism embodies many unique and noteworthy features:

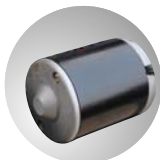
- * pull once to disengage, pull once again to re-engage
- * engage and lock in any position
- * engage or disengage regardless of pull angle
- * steel cable will never fray, weather or snap



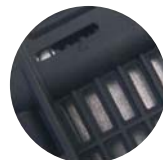
Limit switch



Opener rail



Motor



Chain tensioning



Release handle



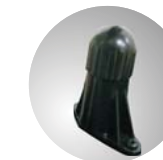
Easily accessible controls



Chain



Mounting block



Release mechanism

twiNDOOR intelligent Openers: TX series



twiNDOOR Garage Doors



A small bracket with a crucial job

The compact design of the remote control holder will fit easily in your car or on the wall in your home. No need to hunt for it. The holder will keep it in a convenient place at all times.



Hands-free CarLink System

The new smart CarLink system recognizes your car from a distance and opens the garage door upon your arrival without you even having to push a button, and closes it after you completely entered the garage.



Wireless Wall Switch

Stylish, compact and convenient, the wireless wall switch can be mounted at any indoor location without the need for expensive wiring. The switch can control multiple opener functions and can even be removed from its mounting and carried around.



Digital Wireless Keypad

Want to add the convenience of access through the garage door without the need to carry a transmitter? Install one of our wireless digital key pads outside your home. They feature the same rolling coded technology as our transmitters.



Infrared Sensors for more Safety

Optical sensors are the last word in safety when it comes to garage doors. An invisible beam monitors your garage door opening. This will prevent the door from closing whenever there is an object in its path. Combined with our auto-close feature, your garage door will never be unintentionally left open. These safeguards are a worthwhile investment!



twinDOOR intelligent Openers: TW series



GO TW

The new GO TW door is superior in design, supporting a digital display that facilitates installation and programming. In the event of a power failure, the garage door can easily be disconnected from the opener, enabling you to open or close the door with ease.

Technical Details: GO TX Series

Door Openers	Parameter
Standard garage door	8 - 21m ²
Wooden garage doors	10 - 15m ²
Force	600-1500N
Certificate	CE
IP Rating	IP 20
Rail thickness	1.2 - 2mm
Maximum rail length	3550mm - 5000mm
Power source	transformer / battery
Motor power	24V/80W-120W
Input power supply	150-300VA
Maximum current	10A
Maximum transmitters/unit	22
Operating speed	130-160mm/s
Temperature range	-40°C--+60°C



Door Openers



remote controller

GO TW Series

Door Openers	Parameter
Standard garage door	10-16m ²
Wooden garage doors	n/a
Force	800-1200N
Certificate	CE
IP rating	IP 20
Rail thickness	1mm
Maximum rail length	5000mm
Power source	transformer
Motor power	24V/60W-120W
Input power supply	150VA
Maximum current	5A
Maximum transmitters/unit	20
Operating speed	110-130mm/s
Temperature range	-20°C--+50°C



Door Openers



remote controller

Invisible communication with CarLink



twinDOOR Garage Doors



Only your car opens the garage

Impress your friends and family with this new innovation from twinDOOR. Using a remote control to open your garage is a technology of the past. Keeping that in mind, our German engineers designed the perfect solution. Our new CarLink system detects your approaching vehicle and opens the garage door automatically.

Contact your nearest twinDOOR representative for more information on how to add this feature to your garage.

The CarLink will read a signal transmitted by a device installed in your car and open the garage door as you approach. State of the art encryption technology is used in the CarLink system.

With this new technology the garage door will automatically close five seconds after your car has entered or left the garage.

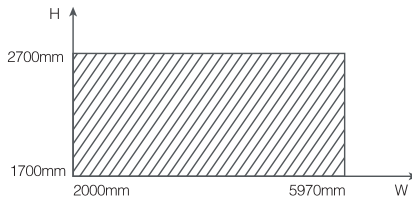
Garage door technical details



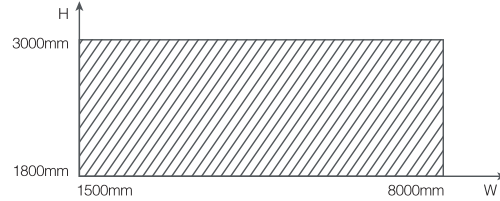
Installation Requirements

Type	Finger protection	Balance system	Door frame
GD ECO	Integrated	Torsion Springs	✓
GD LUX	twinSAFE	Extension Springs	✓

GD LUX – Available sizes

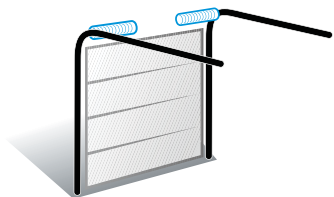


GD ECO – Available sizes



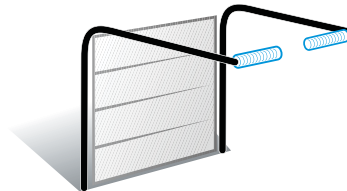
Installation Methods:

Torsion Spring – Standard installation



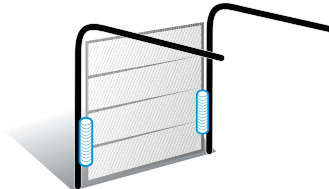
A GD ECO

Torsion Spring – Rear installation

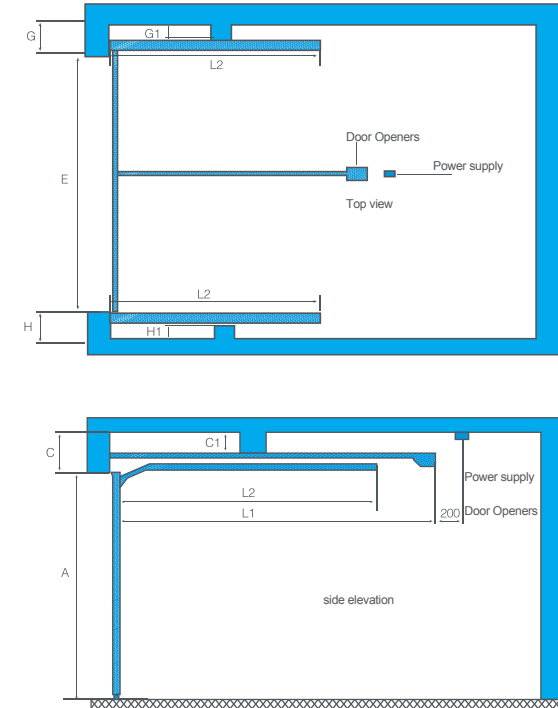


B GD ECO

Extension Spring – Side installation



C GD LUX

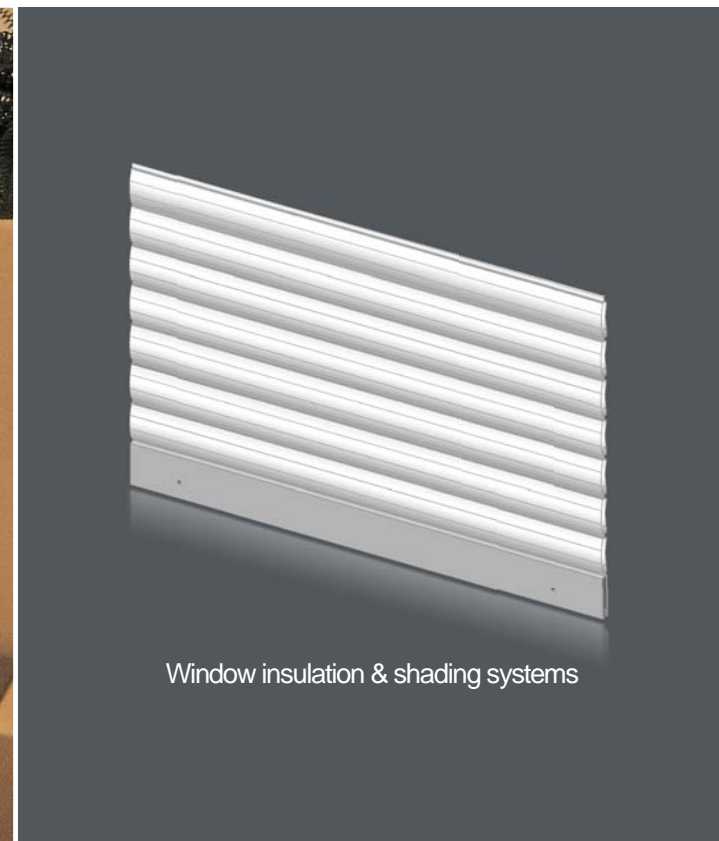


GD ECO Installation requirements:

	type	rail	lintel 'C'	C-C1	'H & G'	H-H1/ G-G1
A	Standard	double	≥ 200	≥ 200	≥ 100	≤ 40
B	Torsion spring rear *	double	≥ 100	≥ 100	≥ 100	≤ 40

GD LUX Installation requirements:

	type	rail	lintel 'C'	C-C1	'H & G'	H-H1/ G-G1	Opening height (after installation)
C	GD LUX	single	≥195	≥180	≥125	≥70	A-10



Window insulation & shading systems



Sunlight plays an important part in our lives. But too much sunlight can be a nuisance and may even damage valuable property or be harmful to your health. With too little sunlight we waste important resources on maintaining a healthy working and living environment. The right balance is required to lead a healthy lifestyle. The evolution of twinDOOR's SP Sun Protection systems gives us new ways of benefiting from sun light without causing much damage or wasting precious sources of energy.

Be the first to protect yourself, your family and your valuable belongings from harmful UV radiation by choosing from our continuously growing range of sun protection systems.

Protecting the planet is another very important topic being discussed today. Many countries are placing more and more emphasis on saving energy, reducing power consumption and raising living standards. Our innovative SP series products from twinDOOR are excellent energy efficient solutions, and are resistant to weather and high winds.

Made from high-quality insulated aluminum slats, the SP PU sun protection series will play an important role in reducing the electrical energy needed to maintain a comfortable living environment. By wasting less energy, you are contributing to a clean and green world.

SP PU – Insulated Sun Protection



twinDOOR SP Series



ENERGY SAVING

Can you imagine being able to reduce your electricity bill by almost half? Test results prove that you could reduce your energy consumption by over 30%. See the table below.



NOISE REDUCTION

Do street noise and noisy neighbors keep you from getting the rest you need? The SP PU can reduce external noise levels by as much as 20dB.



SAFE

The SP PU is also designed to keep you safe from wind and rain. Protecting you from storms and other natural forces of nature is an added advantage of the SP PU, giving you and your family two-fold protection.



PROTECTION

A closed shutter will enable you to keep harmful UV rays and noisy neighbors away. Enjoy complete privacy and darkness by closing the shutter completely. The shutter can be opened or closed to permit enough light to enter or to have a view of the outside according to your wishes.



SECURITY

A unique anti-pushup device reduces the risk of burglar intrusion. We strive to protect you from unwanted guests.



UNIQUE INTERLOCKING DEVICE

The unique interlocking device prevents your balcony door and the SP PU from being operated at the same time. When the window/door is open, operation of the SP PU is blocked. Only when the window/door is closed, the SP PU is released and can easily be operated. This device prevents both your window/door and the SP PU from being unnecessarily damaged.



SP PU – White



SP PU – Silver



SP PU – Coffee



SP PU – Champagne gold

Power Consumption Tests

Outside Temperature	Summer	Power Consumption With SP PU	Power Consumption Without SP PU	Constant Room Temperature
Maximum		387 W	593 W	26.3°C
Minimum		152 W	200 W	25.9°C

SP PU – Insulated Sun Protection



Wall Switch



Remote Control



Remote Control

Single-channel
5 channels
15 channels

Wall switch

Single-channel
Double channel

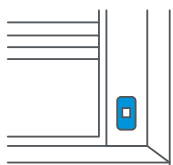
Wireless wall switch

Single-channel
Double channel

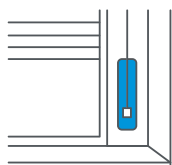
Intelligent remote controls



Types of operation



Electrical



Belt

Quick & Easy

Control up to 15 SP PU systems at the push of a button. Adjust the amount of light that shines through according to your preference.

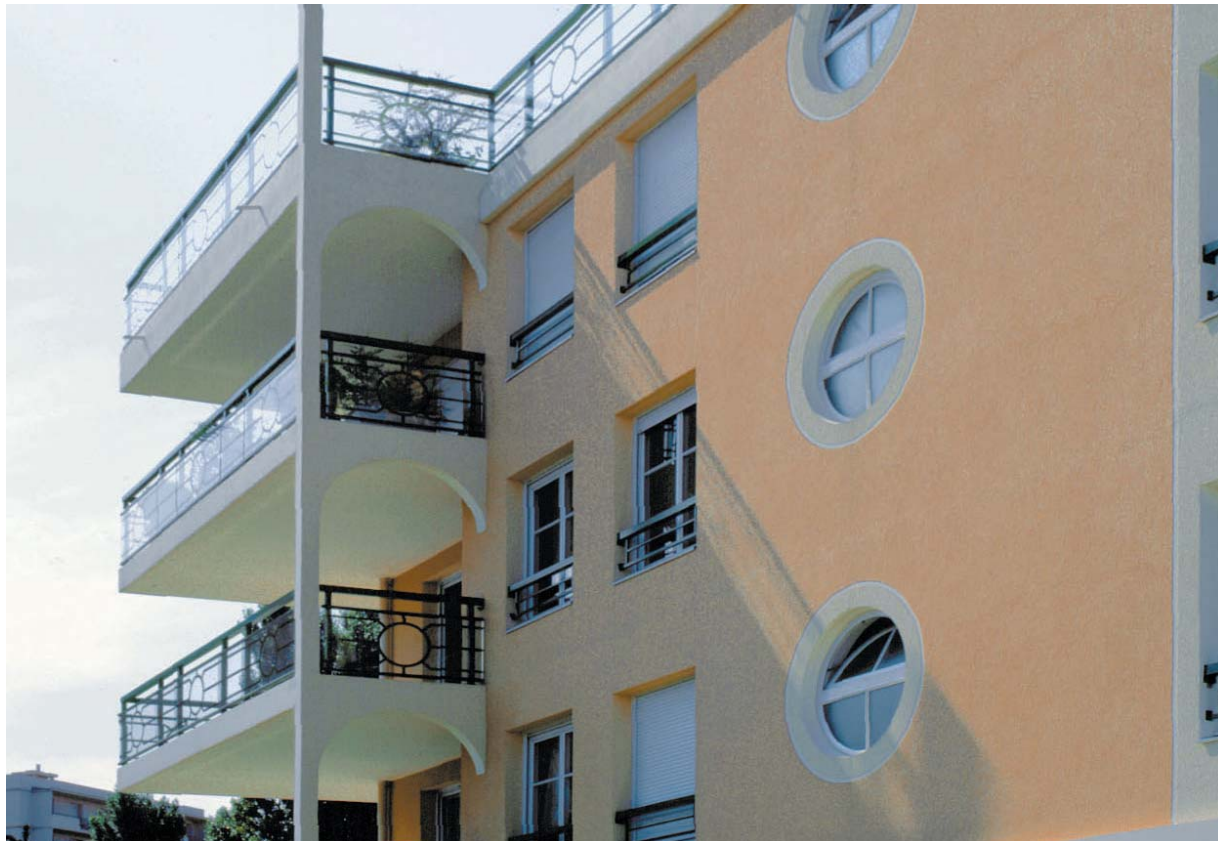
Safe & Secure

When you are not at home the anti-theft device can effectively protect your home from intruders.

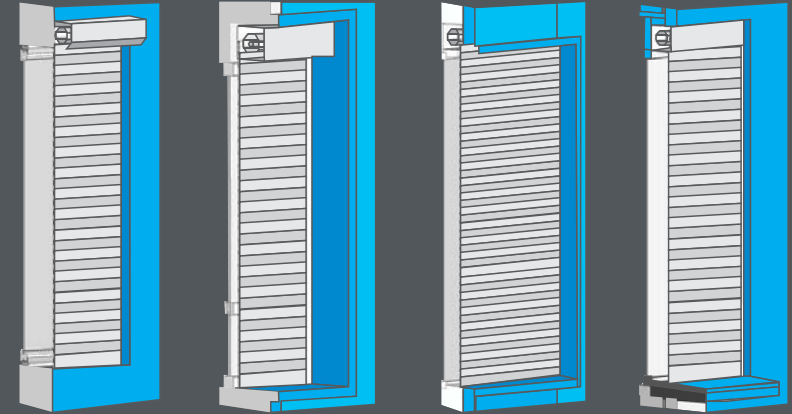
SP PU – Insulated Sun Protection



twinDOOR SP Series



Type of installation:



The SP PU installed in offices, hotels, private residences or schools protects its users from the glare of the sun on TV and computer screens or other reflective surfaces. By rolling the SP PU up or down, you can comfortably adjust the amount of sunlight to enter the room and simultaneously control the temperature. This will result in tremendous energy savings.

Customized Solutions

SP PU effectively regulates the flow of natural light, shade, heat and light penetration, thermal insulation and noise.

You can choose from many standard installation methods. If none of them suits your requirements, our experienced engineers can integrate the shutter into the design of your home.



Side Caps & Covers



45° Side Cap

Round Side Cap



45° Cover

Round Cover

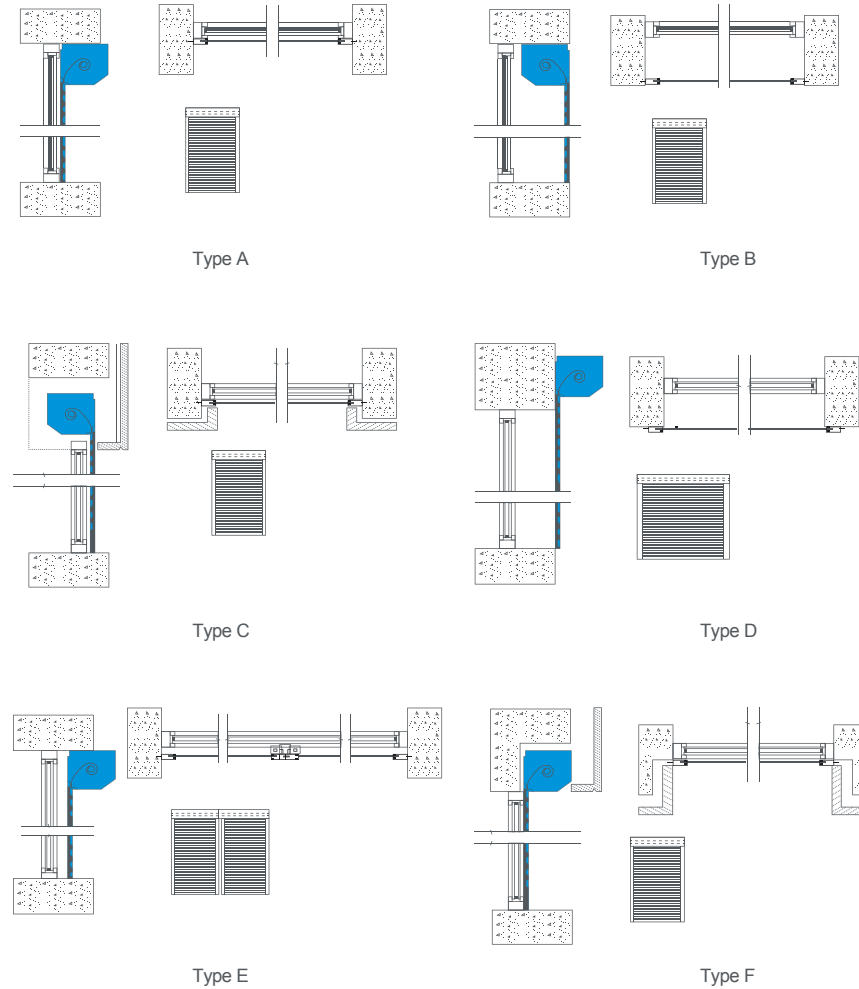
SP PU – Technical Data

Parameters	Results
Pressure	Certified up to 400 Pa. At 600 Pa no permanent damage
Service life	≥ 10,000 cycles
Salt spray test	240 hrs
UV resistance	6000 hrs
Thermal insulation	Heat transfer coefficient K < 1.5W/(M²K)
Sound insulation	20 dB

Side Clip Selection

Type	width	Floor level	remark
Standard-Clip	<2.4 m	1~9th floor	Special requirements are available depending on your preference
Wind-Hook	≥2.4 m	≥10th floor and above	
	≥3.0 m	All floors	

Installation Types:



Type A

Type B

Type C

Type D

Type E

Type F

Standard Connection (all measurements in mm)

Cover	Octagonal steel shaft	Curtain height	
		SP 39PU	SP 45PU
137	Ø 40	1617	1537
	Ø 60	1487	1337
165	Ø 40	2560	1965
	Ø 60	2320	1765
180	Ø 40	3145	2480
	Ø 60	2800	2280
205	Ø 40	4125	3705
	Ø 60	3915	3605

Anti-theft Connection (all measurements in mm)

Cover	Octagonal steel shaft	Curtain height	
		SP 39PU	SP 45PU
137	Ø 40	1307	1237
	Ø 60	1257	1137
165	Ø 40	2310	1665
	Ø 60	2395	1465
180	Ø 40	2905	2180
	Ø 60	2630	1980
205	Ø 40	3775	3405
	Ø 60	3640	3305

Operating mode

Type	Maximum size	Maximum area	Remarks
Motor	All available sizes	All available sizes	Special requirements are reviewed on a case-by-case basis
Crank	≤6 m²	w ≤ 2.4m; h ≤ 2.4m	
Belt	≤4 m²	w ≤ 2.0m; h ≤ 2.0m	
Rope	≤6 m²	w ≤ 2.4m; h ≤ 2.4m	

SP 10 New Generation of Sun Protection



twinDOOR SP Series



Be one of the few privileged to own the SP 10 from twinDOOR

It breathes!

SP 10 allows more light and fresh air into the room than normal roller shutters. You will have a comfortable living environment year round. It is the perfect sun-protection designed from high quality aluminum slats.

Increased Visibility

Visibility to the outside is increased without compromising your privacy.

Energy Saving

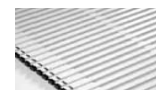
With more light coming in, you will require less energy to illuminate your living or work space.

Block harmful UV Radiation

The design of the SP 10 blocks direct sun light, protecting you and your valuables from the harmful effects of UV radiation.

Colors:

High-quality powder-coated aluminum sheeting are used for production of the slats. Below are the best colors to match any window. Additional colors are available for high-volume orders.



White - RAL 9016



Silver (similar to RAL 9006)



Silver gray (similar to RAL 9007)



Anthracite gray (similar to RAL 7016)

Saving the planet is our responsibility

SP 10 slats can be rolled-up or down to allow just enough light to enter the room, reduce glare and reduce energy consumption in order to give you a comfortable living environment.

SP 10 can be installed outside any window or glass surface, whether in offices, schools, residential buildings, exhibition centers, museums, hospitals or other energy-efficient architectural buildings.

SP 10 – A New Generation of Sun Protection



A Fresh and Elegant Design

The slats are designed to reflect the sun's rays, keeping heat and harmful UV radiation where they belong – outside.

Breathable Slats

100 x 3mm ventilation slots between slats allow more light and air to flow through. The SP 10 allows you to connect to the world outside from the comfort of your own home. In the shade position 21% of the sun protection is open.

Breathing Process

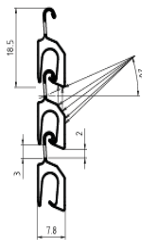
SP 10 can be raised to allow the exact amount of light desired. Once the angle of elevation of the sun exceeds 20°, SP 10 does not allow any direct sunlight to enter the room. If darkness is required, the slats can be completely closed.

Storm Protection

During a storm, the closed shutters will protect you from rain, dust and high winds, keeping you safe and warm at all times.

Sturdy & Long Lasting

High-quality roll-formed, powder-coated aluminum sheeting are used to create each slats.



SP 10 Energy Transmission Tests:

Sun Protection	Window			Overall Performance	
	Glazing	Heat Transfer Coefficient	Solar Transmission	Energy Transmission	Reduction Coefficient
SP 10 19% Permeable	Double	1.2W/m2K	0.63	0.07	0.11
	Single	1.1W/m2K	0.34	0.04	0.11

Wind Load Resistance

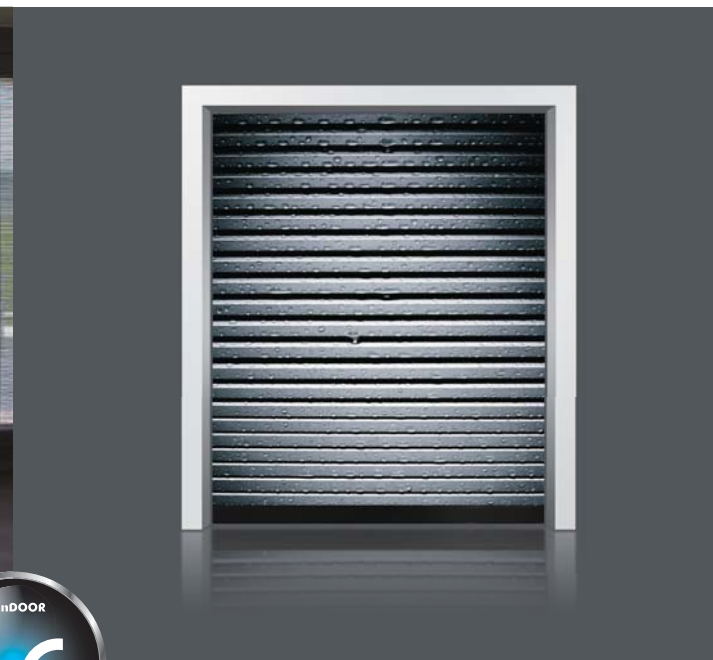
Test results in accordance with the European EN13659 standards.

Width x Height in mm	Wind Load Resistance
2000 x 3000	Class 6
2500 x 2500	Class 4

SP 10 High precision from Germany



twinDOOR SP Series



SP 10 closed

New Design

The modern shape of SP 10 provides security and transparency. This results in a new form of aesthetics. It breathes. It allows light and air into rooms. Sun protection and aesthetics are in perfect unison.



SP 10 opened

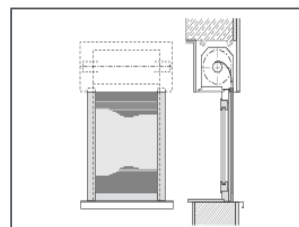
Long-lasting Sun Protection

The elegant appearance of the SP 10 is the result of a comprehensive and exhaustive design process. This can be seen in the aesthetic benefits the SP 10 provides to its surroundings.

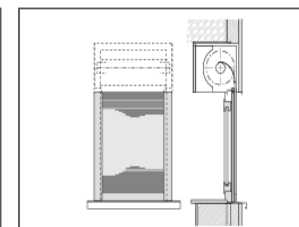


A good view to the outside.

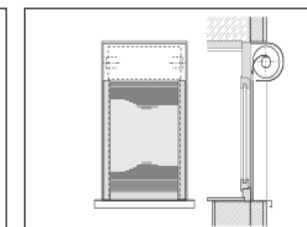
Installation Types



Type I
maintenance: from inside



Type II
maintenance: from outside



Type III
maintenance: from outside

SP 5 - Stainless steel sun protection



twinDOOR SP Series



Invention inspired by devotion

The SP 5 is fascinating because of its transparent appearance. Its German-born inventors were searching for a solution which combined innovation and a natural appreciation of sunlight and nature. With visionary thinking and innovative drive, the natives of the beautiful Swabian hills crafted a sun protection solution for the 21st century.

Ideas need to come down to earth

By using state-of-the-art precision tools and processes, it is possible to mold the stainless steel sections into the right shape. Making use of the latest welding technology, the sections can then be connected. The stainless steel sections are connected so that they remain stable and can be rolled up as a single unit.

Redefining boundaries

Technology is only as good as the person who uses it. Thanks to the persistent determination and enthusiasm of all those involved with this product, SP 5 has now gone into mass production.

Durable design

The SP 5 is an attractive new form of sun protection that dramatically reduces solar energy penetration and thus air conditioning costs as well. At the same time it allows ample natural light into the interior. Made from high-grade stainless steel, SP 5 is resistant to environmental factors such as exhaust gases or salty sea air.

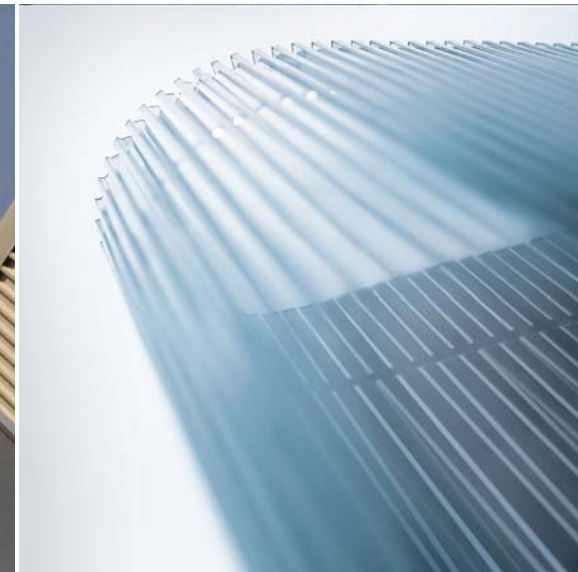
Wind resistant

Until now, in sunny and windy areas it has always been necessary to develop special and expensive solutions in order to provide an ideal working environment with direct exposure to the sun. SP 5 can be employed without any problems at wind speeds of up to 90 kph. Standard roller shutters have to be rolled-up at wind-speeds of 40 km/h. Sunshades made of textiles have their limit at 30 km/h. The SP 5 has pushed the wind resistance of sun protection to new limits.

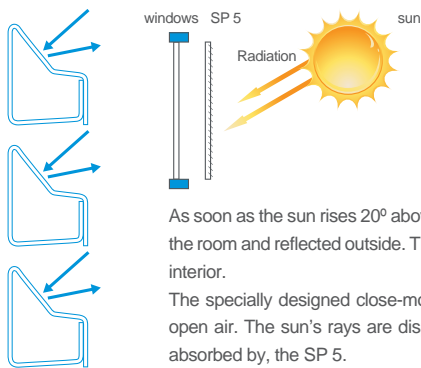
Light and clean

Stainless steel has excellent self-cleaning properties. Thanks to improved molding technology SP 5 makes use of hollow stainless steel sections that have 75% less weight than equivalent solid material.

SP 5 - High precision technology



The impact of solar radiant energy with SP 5



As soon as the sun rises 20° above the horizon, direct sun rays are blocked from entering the room and reflected outside. This automatically reduces the energy required to cool the interior.

The specially designed close-mounted profiles of the SP 5 reflect the heat out into the open air. The sun's rays are dispersed either by passing through, or being reflected or absorbed by, the SP 5.

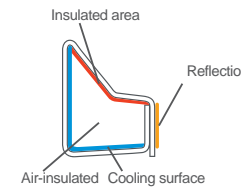
Energy lock:

SP 5 prevents the glass surface installed behind the system from heating up.

Insulation:

Reduce annual cooling energy consumption by up to 40 kWh/m².

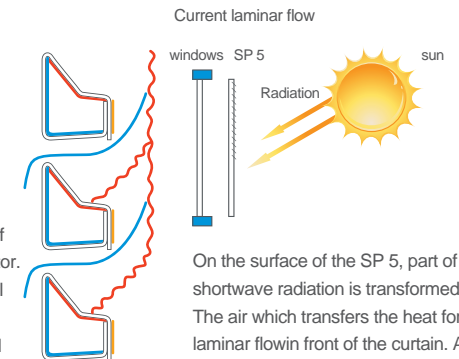
Effects of solar radiation on SP 5



Four mm of the irradiated surface (about 20% of the total area of the profile) acts as a sun receptor. This is where most of the heating of the material occurs.

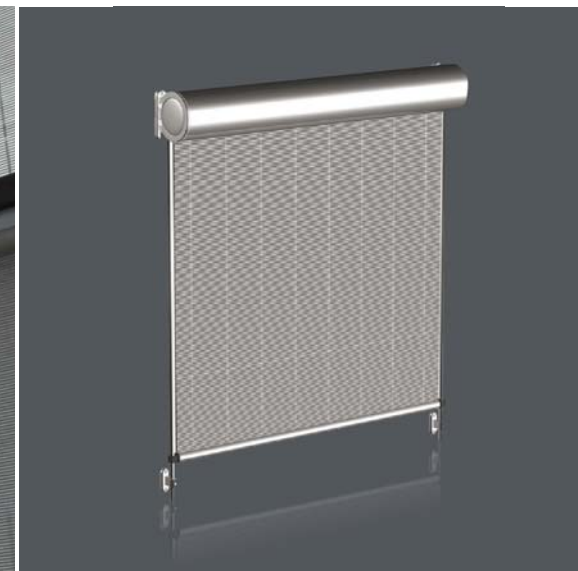
About 65% of the heating effect of the irradiated surface is compensated for by a cooling surface 10 mm below and behind the curtain, and by a cooling chamber within the profile.

Even in extreme heat the curtain can still be touched, something which is not possible with other products such as an external collector; an external collector immediately becomes a radiator without any cooling function.

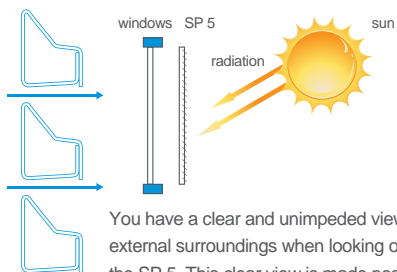


On the surface of the SP 5, part of the shortwave radiation is transformed into heat. The air which transfers the heat forms a laminar flow in front of the curtain. As a result, a slight reduction in pressure is created in front of the curtain, and leads to a suction effect. The warm air rises and this flow of air provides additional cooling of the curtain.

SP 5 - Brightening your interiors



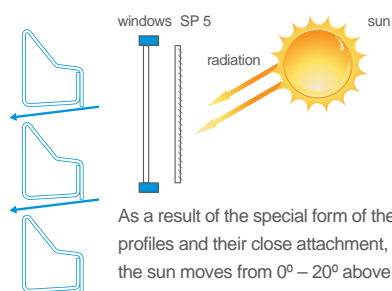
Connect to the outside



You have a clear and unimpeded view of the external surroundings when looking out through the SP 5. This clear view is made possible by the compound vision of the human eye. The fine strands of the curtain and the constant flitting between black and white cannot be resolved by the eye. The strands merge and disappear into the background.

The result. The view of your surroundings creates a sense of well-being.

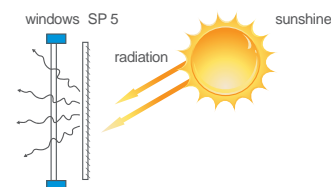
Fell warm in winter



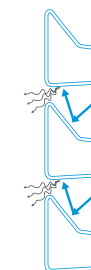
As a result of the special form of the profiles and their close attachment, as the sun moves from 0° – 20° above the horizon, direct sunlight comes through the curtain. The short wave radiation behind the glass is converted back to long-wave radiation and generates warmth as a result.

Generating energy in the winter SP 5 helps reduce your heating bill during the coldest season of the year.

Excellent lighting effect



Due to strategic positioning of the profile's insulating area, some of the radiation penetrates through the curtain into the interior as diffused light. As a result the room has a significant amount of pleasant natural light.





Palm Jumeirah Project

Location : Dubai Product: GD LUX Quantity: 1800 sectional garage doors Completion date : 2008



Landsea Green Buildings Project

Location: Nanjing, Wuxi, Suzhou, Hangzhou, Product: SP PU Quantity: 94,240 sq. m Completion date: 2011



RGTIL East – West Gas Pipeline Project

Location : India Product: ID S Quantity: 290 sectional industrial doors Completion date: 2008



Jinji Lake Garden Project

Location: Suzhou, China Product: GD LUX Quantity: 266 sectional garage doors Completion date: 2006

twinDOOR Projects



twinDOOR Projects



National Housing

Location: Dubai Product: GD LUX Quantity: 2001 sectional garage doors



Jumeriah Park

Location : Dubai Product: GD LUX Quantity: 1641 sectional garage doors



The Shenzhen Xi Cheng City Project

Location: Shenzhen Product: GD LUX



Al Furjan

Location: Dubai Product: GD LUX
Quantity: 597 sectional garage doors

twinDOOR Project List (Extract)

Project Name	Location	Project Name	Location
Palm Jumeirah Garden Homes Villas	U.A.E.	Dubai Silicon Oasis	U.A.E.
Jumeirah Park Villas	U.A.E.	Jumeirah Village Triangle	U.A.E.
Al Furjan Villas	U.A.E.	Al Waab City	Qatar
Luxury Villas Zabeel Saray	U.A.E.	Pearl Qatar	Qatar
National Housing Villas	U.A.E.	Laguna Luxury Villas	Thailand
Emirates Hill	U.A.E.	Q-12 Luxury Villas	Thailand
Arabian Ranches	U.A.E.	Magnolia Luxury Villas	Thailand
Victory Heights	U.A.E.	Ming Cheng Garden	China